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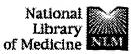
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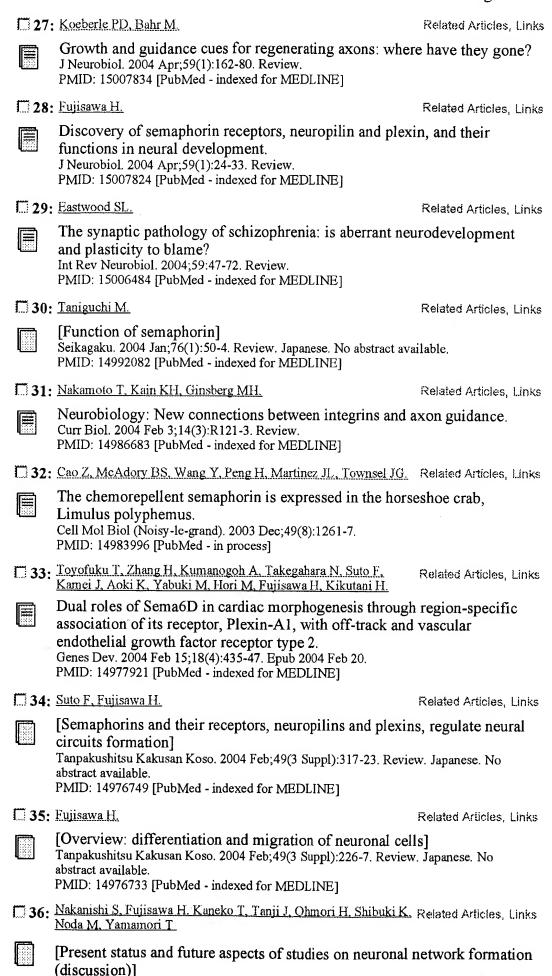
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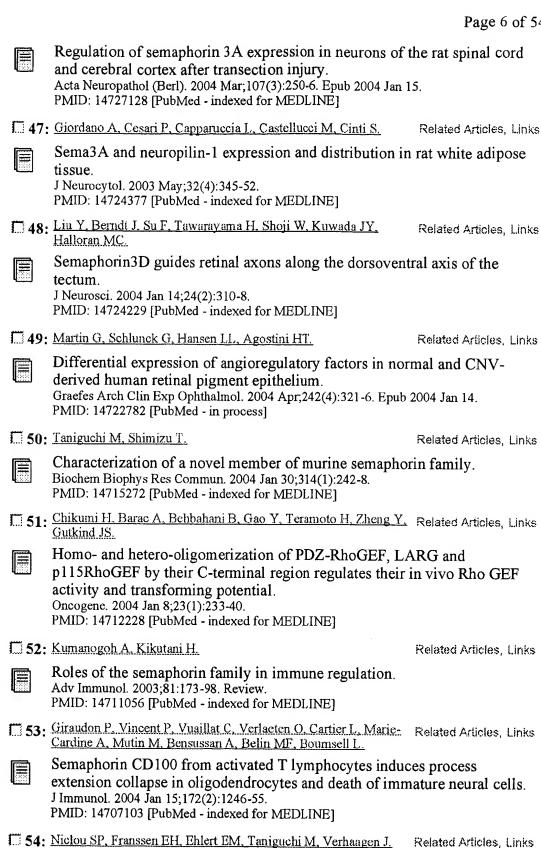
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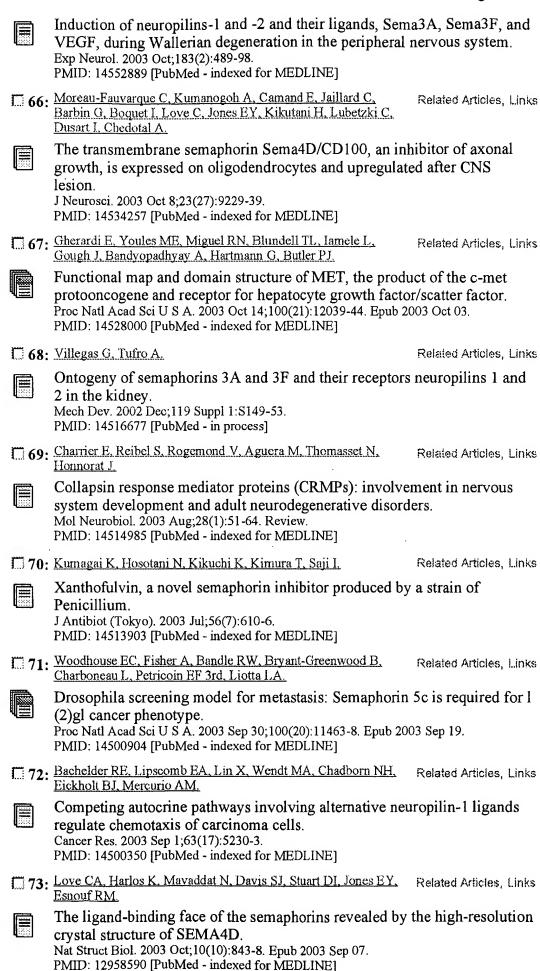
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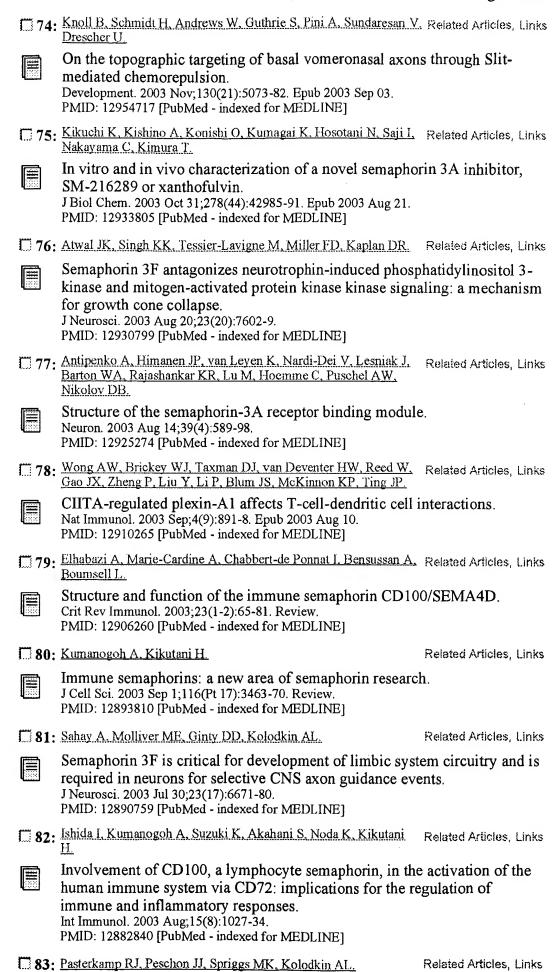
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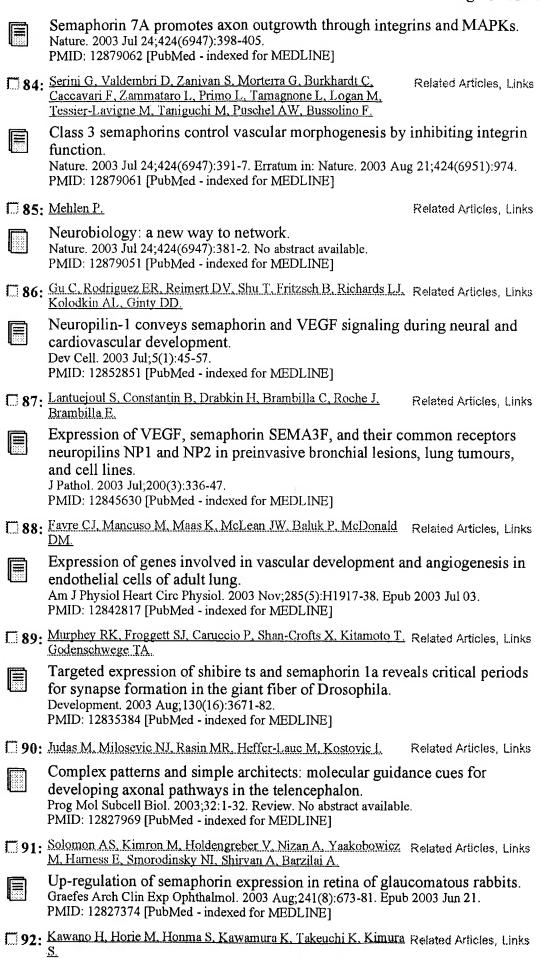
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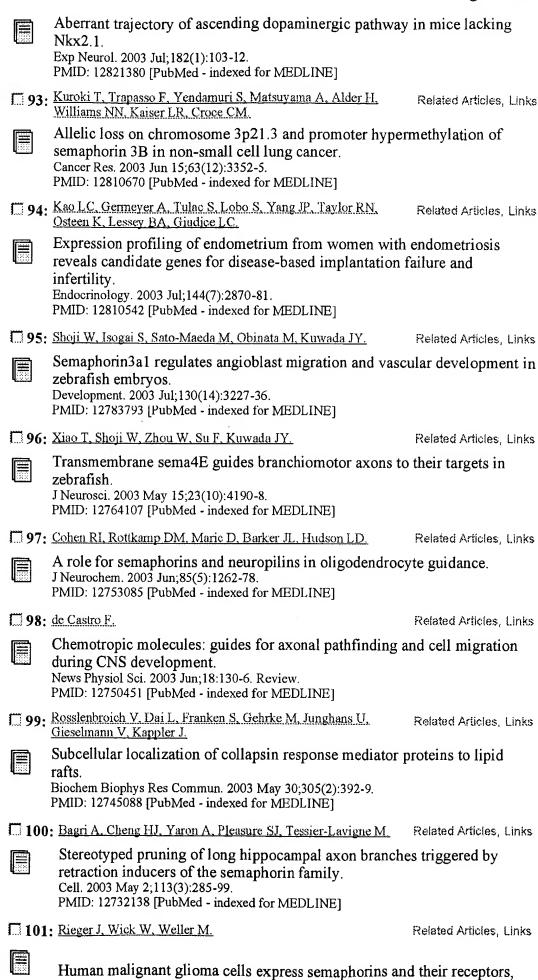
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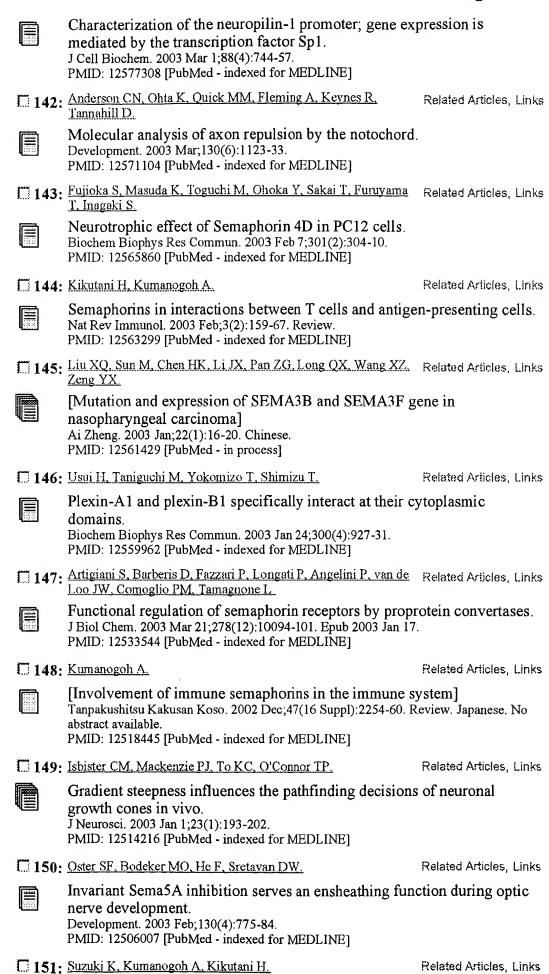
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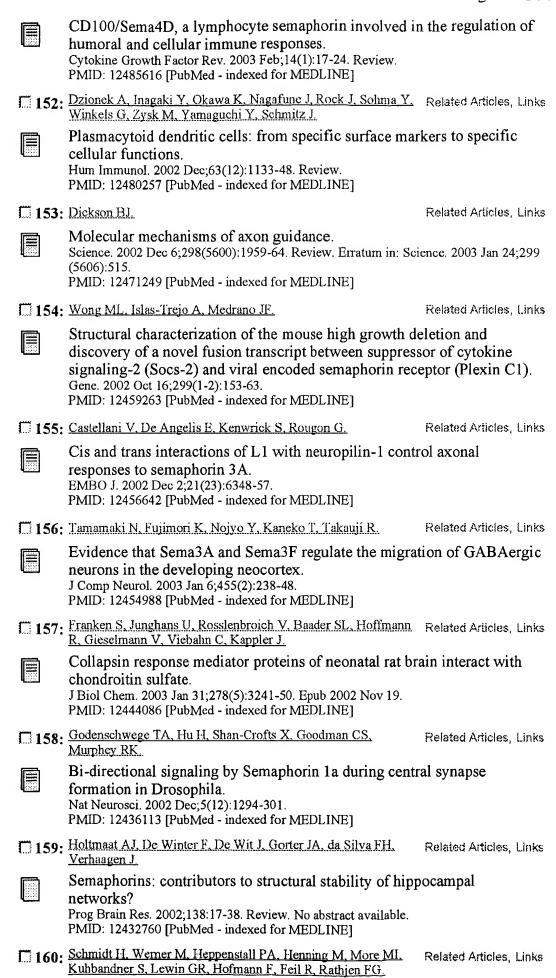
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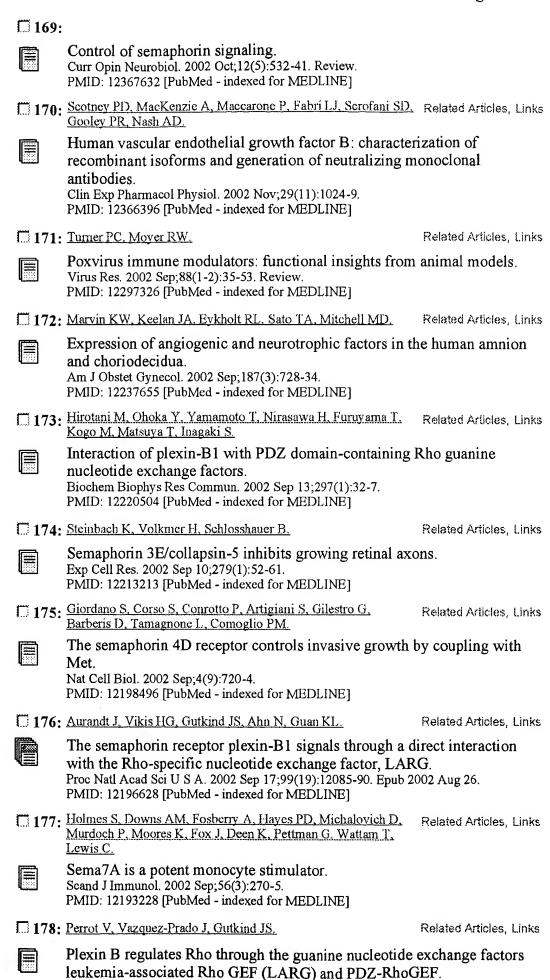
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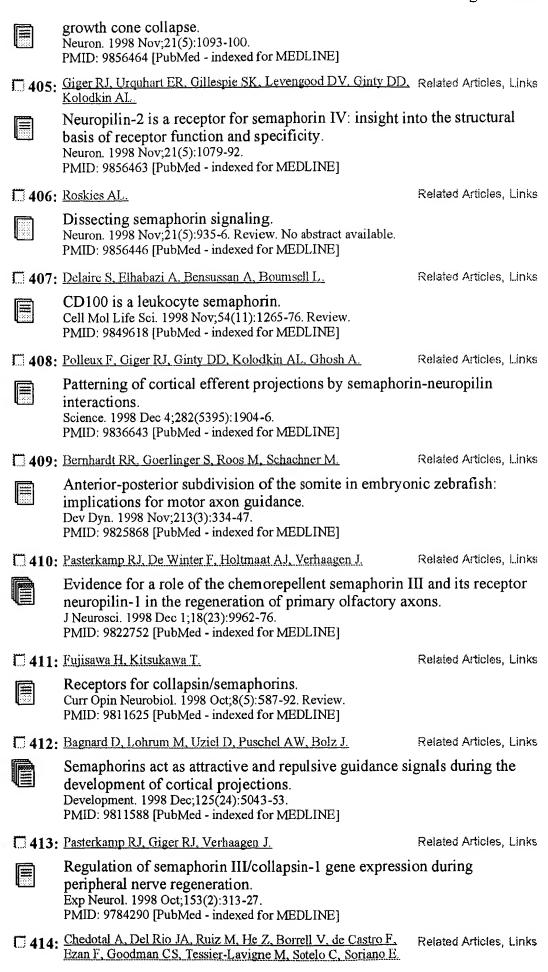
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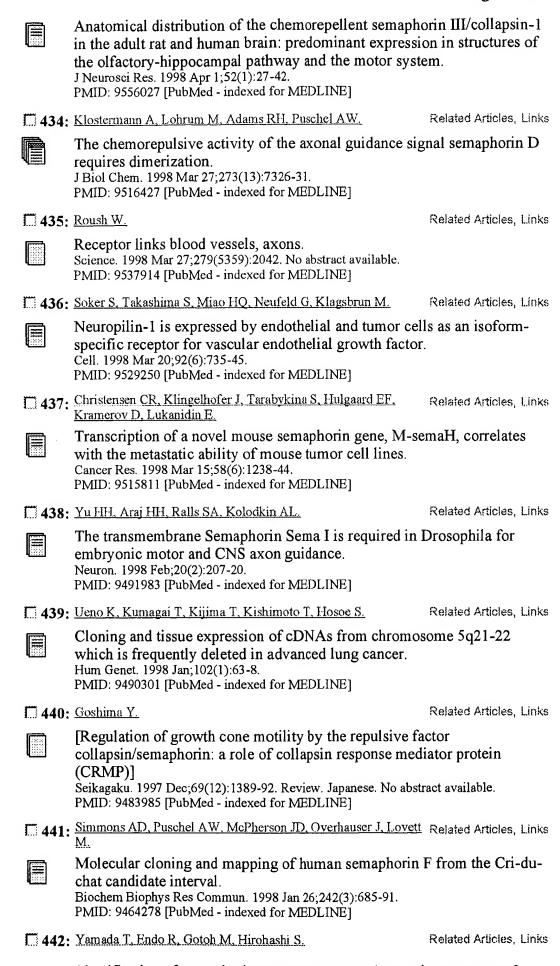
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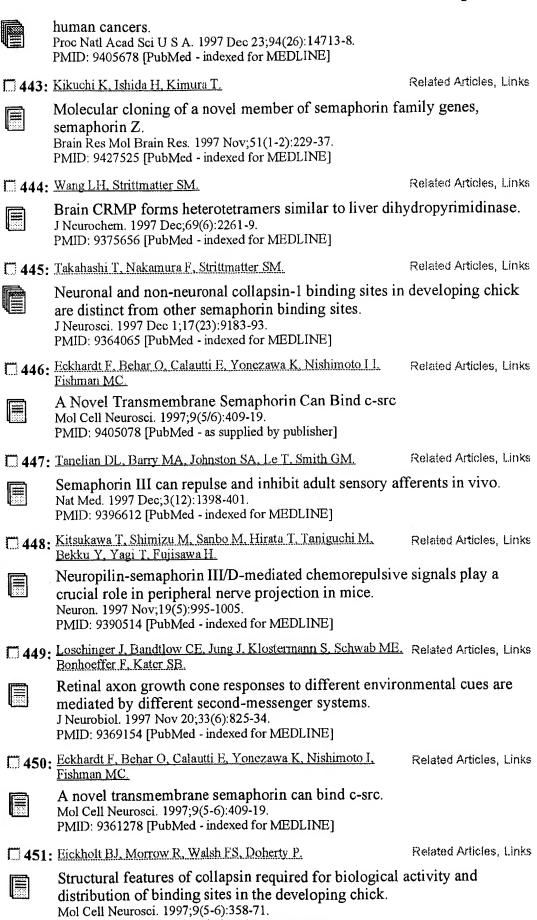


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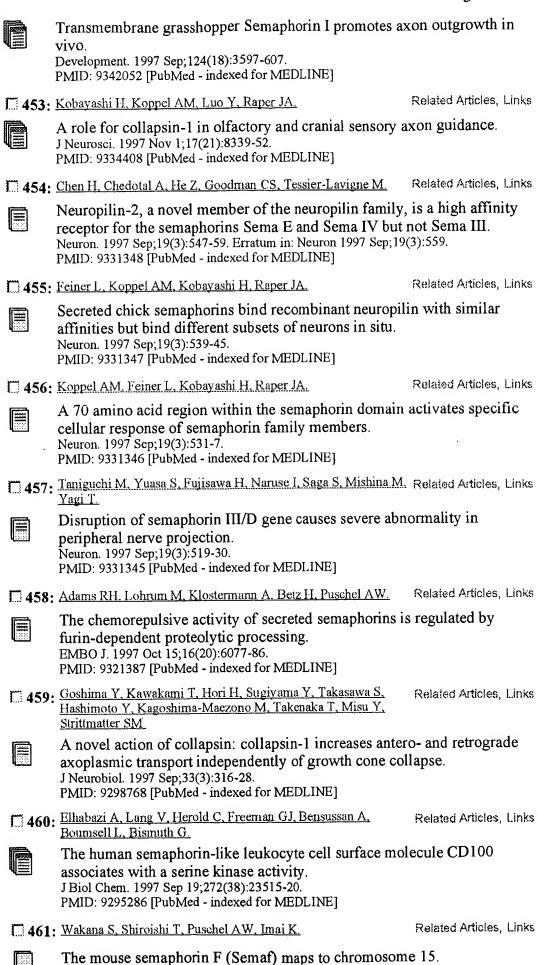
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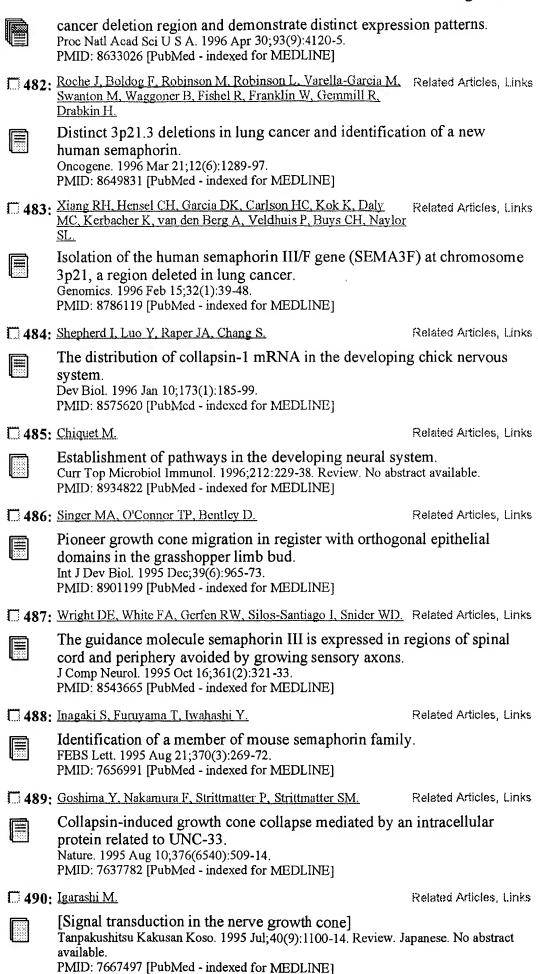
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Department of Pediatrics, University of Vienna, Wahringer Gurtel 18, ΑU CS A-1090, Vienna, Austria gert.lubec@akh-wien.ac.at Journal of Neural Transmission Supplement, (2001) No. 61, pp. 95-107. SO CODEN: JNTSD4. ISSN: 0303-6995. DTArticle English LA ED Entered STN: 16 Jan 2002 Last Updated on STN: 25 Feb 2002 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN ANSWER 5 OF 441 L42001:467964 BIOSIS ANPREV200100467964 DN Isolation and expression pattern of ***human*** Unc-33-like TI phosphoprotein 6/ ***collapsin*** response mediator protein 5 (Ulip6/CRMP5): Coexistence with Ulip2/CRMP2 in Sema3A-sensitive Ricard, Damien; Rogemond, Veronique; Charrier, Emmanuelle; Aguera, Michele; Bagnard, Dominique; Belin, Marie-Francoise; Thomasset, Nicole; Honnorat, Jerome [Reprint author] ΑU Neurologie B, Hopital Neurologique, 59 Boulevard Pinel, 69394, Lyon Cedex CS 03, France honnorat@cismsun.univ-lyon1.fr Journal of Neuroscience, (September 15, 2001) Vol. 21, No. 18, pp. SO 7203-7214. print. CODEN: JNRSDS. ISSN: 0270-6474. DTArticle English LAEntered STN: 3 Oct 2001 Last Updated on STN: 23 Feb 2002 EDANSWER 6 OF 441 BI 2000:334363 BIOSIS BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L4 $\mathbf{A}\mathbf{N}$ DNPREV200000334363 response mediator protein-2 is involved ***collapsin*** TI Evidence that in the dynamics of microtubules. Gu, Yongjun; Ihara, Yasuo [Reprint author] ΑU Dept. of Neuropathology, Faculty of Medicine, University of Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo, 113-0033, Japan Journal of Biological Chemistry, (June 16, 2000) Vol. 275, No. 24, pp. 17917-17920. print. CODEN: JBCHA3. ISSN: 0021-9258. CS SO DT Article LΑ English Entered STN: 10 Aug 2000 EDLast Updated on STN: 7 Jan 2002 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN ANSWER 7 OF 441 L42000:324853 BIOSIS ANDN PREV200000324853 ***Semaphorin*** SEMA3F localization in malignant ***human*** TIand cell lines: A suggested role in cell adhesion and cell migration. Brambilla, Elisabeth; Constantin, Bruno; Drabkin, Harry; Roche, Joelle ΑU [Reprint author] IBMĪG, Universite de Poitiers, 40 avenue du Recteur Pineau, 86022, CS Poitiers Cedex, France American Journal of Pathology, (March, 2000) Vol. 156, No. 3, pp. 939-950. SO print. CODEN: AJPAA4. ISSN: 0002-9440. DT Article LΑ English Entered STN: 2 Aug 2000 EDLast Updated on STN: 7 Jan 2002 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L4ANSWER 8 OF 441 AN2000:85688 BIOSIS PREV200000085688 DNA dominant negative receptor for specific secreted ***semaphorins*** TI is generated by deleting an extracellular domain from neuropilin-1. Renzi, Michael J.; Feiner, Leonard; Koppel, Adam M.; Raper, Jonathan A. ΑU

[Reprint author]
School of Medicine, University of Pennsylvania, 36th and Hamilton Walk,

215 Stemmler Hall, Philadelphia, PA, 19104, USA

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        vascular endothelial growth factors, useful for inducing or antagonizing
        a cellular response mediated by growth factors; vector plasmid-mediated ***human*** or m
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       Dr. J. Honnorat, Hopital Neurologique, 59 Boulevard Pinel, 69394 Lyon
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       E-mail: honnorat@cismsun.univ-lyon1.fr
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                                                          A(V) and IV reside in the 3p21.3
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         at chromosome 3p21, a region deleted in lung cancer
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      Molecular Neurobiology Group, Medical Research Council Centre for Developmental Biology, King's College London, London SE1 1UL, United Kingdom. Britta. J. Eickholt@kcl.ac.uk
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                                                            ***human***
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       School, Boston, Massachusetts 02115, USA.
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ΤI
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                                                            E as a non-MDR drug resistance gene
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      K; van den Berg A; Veldhuis P; Buys C H; Naylor S L
Department of Cellular & Structural Biology, University of Texas Health
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      Science Center at San Antonio 78284-7762, ŪSA.
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Aburatani, Hiroyuki; Yamamoto, Shogo
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      PCT Int. Appl., 372 pp.
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     Parikh, Alexander A.; Liu, Wen Biao; Fan, Fan; Stoeltzing, Oliver;
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     fetal Down syndrome brain
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     Isolation and expression pattern of
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     phosphoprotein 6/ ***collapsin***
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     (Ulip6/CRMP5): coexistence with Ulip2/CRMP2 in Sema3A-sensitive
     oligodendrocytes
     Ricard, Damien; Rogemond, Veronique; Charrier, Emmanuelle; Aguera,
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      Gu, Yongjun; Ihara, Yasuo
Department of Neuropathology, Faculty of Medicine, University of Tokyo,
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      Expression of the dihydropyrimidinase related protein 2 (DRP-2) in Down
      syndrome and Alzheimer's disease brain is downregulated at the mRNA and
      dysregulated at the protein level
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Department of Pediatrics, University of Vienna, Vienna, Austria
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      Gene probes used for genetic profiling in healthcare screening and
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IN
      Roberts,
                 Gareth Wyn
      Genostic Pharma Ltd., UK
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      Gene probes used for genetic profiling in healthcare screening and
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      Roberts,
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      Department of Neurosciences, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA
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      Eckhardt, Florian; Meyerhans, Andreas
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      Institute of Medical Microbiology and Hygiene, Department of Virology,
      University of the Saarland, Homburg, 66421, Germany
NeuroReport (1998), 9(17), 3975-3979
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      Anatomical distribution of the chemorepellent ***semaphorin***
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predominant expression in structures of the offactory-nippocampal pathway and the motor system ΑU Giger, Roman J.; Pasterkamp, R. Jeroen; Heijnen, Stefan; Holtmaat, Anthony J. G. D.; Verhaagen, Joost CS Graduate School of Neurosciences, Netherlands Institute for Brain Research, Amsterdam, Neth. Journal of Neuroscience Research (1998), 52(1), 27-42 SO CODEN: JNREDK; ISSN: 0360-4012 PB Wiley-Liss, Inc. Journal DT LА English RE.CNT THERE ARE 75 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT L4ANSWER 87 OF 441 CAPLUS COPYRIGHT 2004 ACS on STN AN1998:226623 CAPLUS 129:957 DNTINeuropilin-1 is expressed by endothelial and tumor cells as an isoform-specific receptor for vascular endothelial growth factor Soker, Shay; Takashima, Seiji; Miao, Hua Quan; Neufeld, Gera; Klagsbrun, ΑU Michael Department of Surgery, Harvard Medical School, Children's Hospital, Boston, MA, 02115, USA CS SO Cell (Cambridge, Massachusetts) (1998), 92(6), 735-745 CODEN: CELLB5; ISSN: 0092-8674 PB Cell Press DT Journal LΑ English THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT RE.CNT 61 L4ANSWER 88 OF 441 CAPLUS COPYRIGHT 2004 ACS on STN ΑN 1997:686620 CAPLUS DN128:32792 Neuropilin-2, a novel member of the neuropilin family, is a high affinity receptor for the ***semaphorins*** Sema E and Sema IV but not Sema III TI AU Chen, Hang; Chedotal, Alain; He, Zhigang; Goodman, Corey S.; Tessier-Lāvigne, Marc Howard Hughes Medical Institute, Department of Anatomy, Department of Biochemistry and Biophysics, University of California, San Francisco, San Francisco, CA, 94143-0452, USA Neuron (1997), 19(3), 547-559 CODEN: NERNET; ISSN: 0896-6273 CS SO PB Cell Press DT Journal English T 38 LARE.CNT THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT L4ANSWER 89 OF 441 CAPLUS COPYRIGHT 2004 ACS on STN CAPLUS AN1997:596582 DN 127:289544 TI Neuropilin is a receptor for the axonal chemorepellent ***semaphorin*** AU He, Zhigang; Tessier-Lavigne, Marc Howard Hughes Medical Institute, Department of Anatomy and Department of Biochemistry and Biophysics, University of California, San Francisco, San CS Francisco, CA, 94143-0452, USA Cell (Cambridge, Massachusetts) (1997), 90(4), 739-751 CODEN: CELLB5; ISSN: 0092-8674 SO PBCell Press DT Journal English T 51 LΑ RE.CNT THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT L4ANSWER 90 OF 441 CAPLUS COPYRIGHT 2004 ACS on STN AN 1996:286899 CAPLUS DN 124:334370 TI ***Human*** ***semaphorins*** A(V) and IV reside in the 3p21.3 small cell lung cancer deletion region and demonstrate distinct expression patterns Sekido, Yoshitaka; Bader, Scott; Latif, Farida; Chen, Jeou-Yuan; Duh, Fuh-Mei; Wei, Ming-Hui; Albanesi, Joseph P.; Lee, Cheng-Chi; Lerman, ΑU Michael I.; Minna, John D.

Dallas, TX, 75235, USA Proceedings of the National Academy of Sciences of the United States of SO America (1996), 93(9), 4120-4125 CODEN: PNASA6; ISSN: 0027-8424 PBNational Academy of Sciences DT Journal LА English L4ANSWER 91 OF 441 CAPLUS COPYRIGHT 2004 ACS on STN ANCAPLUS 1996:133858 DN124:199316 ΤI ***human*** Isolation of the ***semaphorin*** III/F gene (SEMA3F) at chromosome 3p21, a region deleted in lung cancer Xiang, Rui-Hua; Hensel, Charles H.; Garcia, Dawn K.; Carlson, Helene C.; ΑU Kok, Klaas; Daly, Maria C.; Kerbacher, Karen; van den Berg, Anke; Velhuis, Patrick; et al. Dep. of Cellular & Structural Biology, Univ. of Texas Health Science CS Center at San Antonio, San Antonio, TX, 78284-7762, USA Genomics (1996), 32(1), 39-48 CODEN: GNMCEP; ISSN: 0888-7543 SO PB Academic DT Journal LΑ English L4ANSWER 92 OF 441 CAPLUS COPYRIGHT 2004 ACS on STN AN1995:744823 CAPLUS DN123:310741 ΤI ***Collapsin*** -induced growth cone collapse mediated by an intracellular protein related to UNC-33 Goshima, Yoshio; Nakamura, Fumio; Strittmatter, Philipp; Strittmatter, ΑU Stephen M. Dep. Neurol. Neurobiol., Yale Univ. Sch. Med., New Haven, CT, 06520, USA Nature (London) (1995), 376(6540), 509-14 CODEN: NATUAS; ISSN: 0028-0836 CS SO PBMacmillan Magazines DTJournal LΑ English T.4 ANSWER 93 OF 441 CAPLUS COPYRIGHT 2004 ACS on STN AN1994:155251 CAPLUS DN120:155251 TI ***semaphorin*** genes encode a family of transmembrane and secreted growth cone guidance molecules Kolodkin, Alex L.; Matthes, David J.; Goodman, Corey S. Howard Hughes Med. Inst., Univ. California, Berkeley, CA, 94720, USA Cell (Cambridge, MA, United States) (1993), 75(7), 1389-99 CODEN: CELLB5; ISSN: 0092-8674 ΑU CS SO DT Journal LA English ANSWER 94 OF 441 DISSABS COPYRIGHT (C) 2004 ProQuest Information and L4Learning Company; All Rights Reserved on STN 1998:19071 DISSABS Order Number: AAR9814873 ON THE INTERACTION BETWEEN THE ***COLLAPSIN* DISSABS AN TI***COLLAPSIN*** ***SEMAPHORIN*** FAMILY OF AXON GUIDANCE MOLECULES AND THEIR RECEPTOR COMPLEX AU KOPPEL, ADAM M. [PH.D.]; RAPER, JONATHAN A. [adviser] UNIVERSITY OF PENNSYLVANIA (0175) CS Dissertation Abstracts International, (1997) Vol. 58, No. 11B, p. 5822. SO Order No.: AAR9814873. 194 pages. DT Dissertation FS DAI English LΑ L4DISSABS COPYRIGHT (C) 2004 ProQuest Information and ANSWER 95 OF 441 Learning Company; All Rights Reserved on STN 97:49724 DISSABS Order Number: AAR9722128 ANOrder Number: AAR9722128 ΤI MOLECULAR CLONING AND ANALYSIS OF A ZEBRAFISH ***SEMAPHORIN*** (GROWTH ΑU CHARLES STEPHEN [PH.D.]; KUWADA, JOHN Y. [advisor] THE UNIVERSITY OF MICHIGAN (0127) CS

Dissertation Abstracts International, (1997) Vol. 58, No. 2B, p. 571. Order No.: AAR9722128. 197 pages.

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        FGF and VEGF function in angiogenesis: signalling pathways, biological
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        responses and therapeutic inhibition.
AU
        Cross M J; Claesson Welsh L
CS
        Univ. Uppsala
LO
        Uppsalā, Swed.
        Trends Pharmacol.Sci. (22, No. 4, 201-07, 2001) 2 Fig. 3 Tab. 80 Ref. CODEN: TPHSDY ISSN: 0165-6147
SO
       Dept of Genetics and Pathology, Rudbeck Laboratory, Uppsala University, Dag Hammarskjoldsvag 20, 751 85 Uppsala, Sweden. (L.C.W.). (e-mail:
AV
        lena.welsh@genpat.uu.se).
LΑ
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      The
             ***human***
                              dihydropyrimidinase-related protein 2 (DRP-2) gene on
      chromosome 8p21 is associated with paranoid-type schizophrenia.
      Nakata K.; Ujike H.

K. Nakata, Department of Neuropsychiatry, Okayama Univ. Grad. Sch.

Med./Dent., 2-5-1, Shikata-cho, Okayama, 700-8558, Japan
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CS
      Japanese Journal of Neuropsychopharmacology, (2004) 24/1 (33-37).
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        ***Collapsin***
                             Response Mediator Proteins (CRMPs): Involvement in
      Nervous System Development and Adult Neurodegenerative Disorders.
      Charrier E.; Reibel S.; Rogemond V.; Aguera M.; Thomasset N.; Honnorat J.
J. Honnorat, Inst. Natl. S. la Rech. Med. U 433, Hopital Neurologique, 59
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     Aberrant expression of dihydropyrimidinase related proteins-2,-3 and -4 in
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      fetal Down Syndrome brain.
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ΑU

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Gurtel 18, A-1090 Vienna, Austria. gert.lubec@akn-wien.ac.at
       Journal of Neural Transmission, Supplement, (2001) -/61 (95-107).
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      Paraneoplastic movement disorder in a patient with non-Hodgkin's lymphoma
      and CRMP-5 autoantibody.
      Samii A.; Dahlen D.D.; Spence A.M.; Maronian N.C.; Kraus E.E.; Lennon V.A.
ΑU
      Dr. A. Samii, Department of Neurology, VA Puget Sound Health Care System, 1660 S. Columbian Way, Seattle, WA 98108, United States.
CS
      asamii@u.washington.edu
SO
      Movement Disorders, (2003) 18/12 (1556-1558).
      Refs: 18
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TI
      Paraneoplastic limbic encephalitis (PLE) and chorea associated with CRMP-5
      neuronal antibody.
      Kinirons P.; Fulton A.; Keoghan M.; Brennan P.; Farrell M.A.; Moroney J.T. Dr. J.T. Moroney, Dept. of Clinical Neurosciences, Beaumont Hospital, Dublin 9, Ireland. joantm@gofree.indigo.ie
Neurology, (9 Dec 2003) 61/11 (1623-1624).
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TI
      Expression and regulation of the novel vascular endothelial growth factor
      receptor neuropilin-1 by epidermal growth factor in
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      pancreatic carcinoma.
      Parikh A.A.; Biao Liu W.; Fan F.; Stoeltzing O.; Reinmuth N.; Bruns C.J.;
ΑU
      Bucana C.D.;
                     Evans D.B.; Ellis L.M.
     Dr. L.M. Ellis, Department of Surgical Oncology, Box 444, Univ. TX M. D. Anderson Cancer Ctr., 1515 Holcombe Boulevard, Houston, TX 77030-4009, United States. lellis@mdanderson.org
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AN2003270TT7 EMBASE TI***Collapsin*** response mediator proteins of neonatal rat brain interact with chondroitin sulfate. Franken S.; Junghans U.; Rosslenbroich V.; Baader S.L.; Hoffmann R.; Gieselmann V.; Viebahn C.; Kappler J.
J. Kappler, Inst. fur Physiologische Chemie, Nussallee 11, D-53115 Bonn, ΑU CS Germany. kappler@institut.physiochem.uni-bonn.de Journal of Biological Chemistry, (31 Jan 2003) 278/5 (3241-3250). SO Refs: 54 ISSN: 0021-9258 CODEN: JBCHA3 CY United States DT Journal; Article FS 021 Developmental Biology and Teratology 029 Clinical Biochemistry English English LΑ SL L4ANSWER 114 OF 441 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN 2003232172 AN **EMBASE** TI Navigating the paraneoplastic neurological syndromes. ΑU Giannopoulou C. C. Giannopoulou, Institute of Nuclear Medicine, UCL, Middlesex Hospital, Mortimer Street, London W1T 3AA, United Kingdom. harisg@otenet.gr European Journal of Nuclear Medicine and Molecular Imaging, (1 Mar 2003) CS SO 30/3 (333-338). Refs: 26 ISSN: 1619-7070 CODEN: EJNMA6 CY Germany DTJournal; Editorial FS 800 Neurology and Neurosurgery 023 Nuclear Medicine LΑ English L4ANSWER 115 OF 441 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN ΑN 2003180332 EMBASE Markers of cellular proliferation are expressed in cortical tubers.
Lee A.; Maldonado M.; Baybis M.; Walsh C.A.; Scheithauer B.; Yeung R.;
Parent J.; Weiner H.L.; Crino P.B.
Dr. P.B. Crino, Department of Neurology, University of Pennsylvania, 3
West Gates Bldg., 3400 Spruce St., Philadelphia, PA 19104, United States. TI AU CS crinop@mail.med.upenn.edu SO Annals of Neurology, (1 May 2003) 53/5 (668-673). Refs: 20 ISSN: 0364-5134 CODEN: ANNED3 CY United States DT Journal; Article FS Neurology and Neurosurgery LΑ English SLEnglish L4ANSWER 116 OF 441 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN AN2003111964 EMBASE ***Collapsin*** TΙ response mediator protein-1: A novel invasion-suppressor gene.

Shih J.-Y.; Lee Y.-C.G.; Yang S.-C.; Hong T.-M.; Huang C.-Y.F.; Yang P.-C. P.-C. Yang, Department of Internal Medicine, National Taiwan University Hospital, 7 Chung-Shan South Road, Taipei 100, Taiwan, Province of China. AU CS pcyang@ha.mc.ntu.edu.tw Clinical and Experimental Metastasis, (2003) 20/1 (69-76). SO Refs: 87 ISSN: 0262-0898 CODEN: CEXMD2 CY Netherlands DT Journal; General Review FS 016 Cancer 029 Clinical Biochemistry LA English \mathtt{SL} English L4ANSWER 117 OF 441 **EMBASE** COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN ΑN 2003059335 **EMBASE** Molecular characterization of a metastatic neuroendocrine cell cancer TI

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Hu Y.; Ippolito J.E.; Garabedian E.M.; Humpnrey P.A.; Gordon J.I. J.I. Gordon, Department of Molecular Biology, Washington Univ. School of Medicine, St. Louis, MO 63110, United States. jgordon@molecool.wustl.edu Journal of Biological Chemistry, (15 Nov 2002) 277/46 (44462-44474).
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       Involvement of Fes/Fps tyrosine kinase in semaphorin3A signaling.
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       Mitsui N.; Inatome R.; Takahashi S.; Goshima Y.; Yamamura H.; Yanagi S. S. Yanagi, Division of Proteomics, Department of Genome Sciences, Kobe Univ. Grad. School of Medicine, Chuo-ku, Kobe 650-0017, Japan.
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       EMBO Journal, (1 Jul 2002) 21/13 (3274-3285).
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                 Chest Diseases, Thoracic Surgery and Tuberculosis
       015
       016
                 Cancer
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       026
                Immunology, Serology and Transplantation
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                                                     ***human***
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      029
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                Hematology
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                Cancer
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Developmental Biology and Teratology
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                 Clinical Biochemistry
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      Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan. yihara@m.u-
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                Neurology and Neurosurgery
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Dr. J.A. Raper, University of Pennsylvania, School of Medicine, 215
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Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan. yihara@m.u-
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      800
               Neurology and Neurosurgery
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               Clinical Biochemistry
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      032
               Psychiatry
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      Gurtel 18-20, A-1090 Vienna, Austria. gert.lubec@akh-wien.ac.at
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              Clinical Biochemistry
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Clinical Biochemistry
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       021
                Developmental Biology and Teratology
       030
                 Pharmacology
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       English
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      021
                Developmental Biology and Teratology
LΑ
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SL
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J.R. Sanes, Department Anatomy and Neurobiology, Washington University
Medical School, 660 South Euclid Avenue, St Louis, MO 63110, United
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                                response mediator protein-2 is associated with
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       Y. Ihara, Dept. of Neuropathology, Faculty of Medicine, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan. yihara@m.u.-
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       029
                 Clinical Biochemistry
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       Anatomical distribution of the chemorepellent
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                                                             ***semaphorin***
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                Human Genetics
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      022
               Human Genetics
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               Clinical Biochemistry
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                           ***semaphorins*** A(V) and IV reside in the 3p21.3
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                             ***human***
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                Human Genetics
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      Tessier-Lavigne M.
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      Program Cell Developmental Biology, University of California, San
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               Human Genetics
               Clinical Biochemistry
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             ***Semaphorin***
      The
                                   genes encode a family of transmembrane and
      secreted growth cone guidance molecules.
      Kolodkin A.L.; Matthes D.J.; Goodman C.S.
Department of Molecular/Cell Biology, Howard Hughes Medical Institute,
University of California, Berkeley, CA 94720, United States
ΑU
CS
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SO
      ISSN: 0092-8674
                          CODEN: CELLB5
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       Aberrant expression of dihydropyrimidinase related proteins-2,-3 and -4 in fetal Down Syndrome brain
ΑU
       Weitzdoerfer R.; Fountoulakis M.; Lubec G.
CS
       Dr. G. Lubec, Department of Pediatrics, University of Vienna, Wahringer Gurtel 18, A-1090 Vienna, Austria.
       E-mail: gert.lubec@akh-wien.ac.at
       Journal of Neural Transmission, Supplement, (2001), -/61 (95-107), 33
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                       ISSN: 0303-6995
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       Expression and regulation of the novel vascular endothelial growth factor
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- pancreatic carcinoma ΑU Parikh A.A.; Biao Liu W.; Fan F.; Stoeltzing O.; Reinmuth N.; Bruns C.J.; Bucana C.D.; Evans D.B.; Ellis L.M.
- CS Dr. L.M. Ellis, Department of Surgical Oncology, Box 444, Univ. TX M. D. Anderson Cancer Ctr., 1515 Holcombe Boulevard, Houston, TX 77030-4009, United States.

E-mail: lellis@mdanderson.org Cancer, (15 AUG 2003), 98/4 (720-729), 39 reference(s) SO CODEN: CANCAR ISSN: 0008-543X

DT Journal; Article

CYUnited States

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AN2001208013 ESBIOBASE

- TI Isolation and expression pattern of ***human*** Unc-33-like phosphoprotein 67 ***collapsin*** response mediator protein 5 (Ulip6/CRMP5): Coexistence with Ulip2/CRMP2 in Sema3A-sensitive oligodendrocytes
- Ricard D.; Rogemond V.; Charrier E.; Aguera M.; Bagnard D.; Belin M.; Thomasset N.; Honnorat J. AU
- Dr. J. Honnorat, Hopital Neurologique, 59 Boulevard Pinel, 69394 Lyon CS Cedex 03, France. E-mail: honnorat@cismsun.univ-lyon1.fr
- SO Journal of Neuroscience, (15 SEP 2001), 21/18 (7203-7214), 57 reference(s) CODEN: JNRSDS ISSN: 0270-6474

DT Journal; Article

CY United States

LΑ English SLEnglish

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2000186082 ANESBIOBASE

TI ***Semaphorin*** SEMA3F localization in malignant ***human*** lung and cell lines: A suggested role in cell adhesion and cell migration AII

Brambilla E.; Constantin B.; Drabkin H.; Roche J. Prof. J. Roche, IMBIG, Universite de Poitiers, 40 avenue du Recteur Pineau, 86022 Poitiers Cedex, France. CS

E-mail: joelle.roche@campus.univ-poitiers.fr American Journal of Pathology, (2000), 156/3 (939-950), 63 reference(s) SO CODEN: AJPAA4 ISSN: 0002-9440

DT Journal; Article CY United States

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AN2000147270 ESBIOBASE

TI ***collapsin*** Evidence that response mediator protein-2 is involved in the dynamics of microtubules

ΑU Gu Y.; Ihara Y.

- Y. Ihara, Dept. of Neuropathology, Faculty of Medicine, University of Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan. CS
- E-mail: yihara@m.u-tokyo.ac.jp Journal of Biological Chemistry, (16 JUN 2000), 275/24 (17917-17920), 18 SO reference(s) CODEN: JBCHA3 ISSN: 0021-9258

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CY United States

LA English

- SL English
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AN1999185465 ESBIOBASE

- TI Endothelial growth factor receptors in ***human*** fetal heart ΑU
- Partanen T.A.; Makinen T.; Arola J.; Suda T.; Weich H.A.; Alitalo K. Dr. K. Alitalo, Molecular/Cancer Biology Laboratory, Haartman Institute, University of Helsinki, Haartmaninkatu 3, FIN-00014 Helsinki, Finland. CS E-mail: kāri.alitalo@helsinki.fi

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           ***Collapsin***
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                                                                D is a repellent for chick
        qanqlion of Remak axons
        Shepherd I.T.; Raper J.A.
 AU
 CS
        I.T. Shepherd, Department of Biological Structure, Box 357420, University
        of Washington, Seattle, WA 98195, United States.
        E-mail: iain@u.washington.edu
        Developmental Biology, (01 AUG 1999), 212/1 (42-53), 31 reference(s) CODEN: DEBIAO ISSN: 0012-1606
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        Cloning and expression pattern of a murine
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        homologous to H- sema IV
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        Eckhardt F.; Meyerhans A.
CS
        F. Eckhardt, Inst. of Med. Microbiology/Hygiene, Department of Virology, University of the Saarland, 66421 Homburg, Germany.
NeuroReport, (01 DEC 1998), 9/17 (3975-3979), 26 reference(s)
CODEN: NERPEZ ISSN: 0959-4965
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        Anatomical distribution of the chemorepellent
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                                                                       ***semaphorin***
        ***collapsin*** - 1 in the adult rat and ***human*** brain:
Predominant expression in structures of the olfactory-hippocampal pathway
        and the motor system
        Giger R.J.; Pasterkamp R.J.; Heijnen S.; Holtmaat A.J.G.D.; Verhaagen J.
ΑU
CS
        J. Verhaagen, Netherlands Inst. for Brain Research, Meibergdreef 33, 1105 AZ Amsterdam ZO, Netherlands.
        E-mail: j.verhaagen@nih.knaw.nl
Journal of Neuroscience Research, (01 APR 1998), 52/1 (27-42), 75
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        CODEN: JNREDK
                           ISSN: 0360-4012
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       Neuropilin-1 is expressed by endothelial and tumor cells as an isoform-
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       specific receptor for vascular endothelial growth factor Soker S.; Takashima S.; Hua Quan Miao; Neufeld G.; Klagsbrun M. M. Klagsbrun, Department of Pathology, Children's Hospital, Harvard Medical School, Boston, MA 02115, United States.

Cell, (20 MAR 1998), 92/6 (735-745), 60 reference(s)
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       CODEN: CELLB5
                           ISSN: 0092-8674
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Brain CRMP forms heterotetramers similar to liver dihydropyrimidinase

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Dr. S.M. Strittmatter, Department of Neurology, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06520, United States. Journal of Neurochemistry, (1997), 69/6 (2261-2269), 21 reference(s) CODEN: JONRAO ISSN: 0022-3042
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              ***Human***
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          ***Human*** ***semaphorins*** A(V) and IV reside in the 3p21.3 small cell lung cancer deletion region and demonstrate distinct
          expression patterns
          Sekido Y.; Bader S.; Latif F.; Chen J.-Y.; Duh F.-M.; Wei M.-H.; Albanesi
ΑU
          J.P.; Lee C.-C.; Lerman M.I.; Minna J.D.
CS
          Y. Sekido, HCTOR, UT Southwestern Medical Center, Dallas, TX 75235,
          United States.
          Proceedings of the National Academy of Sciences of the United States of
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          America, (1996), 93/9 (4120-4125)
CODEN: PNASA6 ISSN: 0027-8424
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                                        IFIPAT COPYRIGHT 2004 IFI on STN
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                          IFIPAT; IFIUDB; IFICDB
          NUCLEIC ACIDS ENCODING CD100 MOLECULES
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          Boussiotis Vassiliki A; Freeman Gordon J; Hall Kathryn T; Nadler Lee M;
IN
          Schultze Joachim L
PA
          Dana-Farber Cancer Institute Inc (11804)
ΡI
          US 2003158402
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                                           20030821
ΑI
          US 2002-320769
                                           20021216
         US 1995-556422 19951109 CONTINUATION
US 2003158402 20030821
US 6576754
Utility; Patent Application - First Publication
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           15 Figure(s).
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        FIG. 1 is the nucleotide sequence of a 4.2 kb cDNA encoding full length ***human*** CD100 (SEQ ID NO: 1).
        FIG. 2 is the predicted full length amino acid sequence of
                                                                                                             ***human***
         CD100 (SEQ ID NO: 2) aligned for comparison to the ***semaphorin*** and Ig domains of ***Human*** ***semaphorin*** III (H-sema III)
         (SEQ ID NO: 3) and Mouse ***semaphorin*** C (M-Sema C) (SEQ ID NO: 4). The regions of identity are boxed. The putative signal sequence is underlined; the sema domain is delimited by *; the gray box indicates the Ig-like domain; the transmembrane region is double-underlined; and the putative tyrosine phosphorylation site KPALTGY (SEQ ID NO: 5) (MAC Pattern: GenBank accession number PS00007) in the cytoplamic tail is
       FIG. 3 is a schematic representation of the structure of
                                                                                                        ***human***
         CD100 indicating the different domains and the tyrosine phosphorylation
       site (Y).

FIG. 4 represents a sequence comparison between the amino acid sequence of 
***collapsin*** 4 (top sequence) and the amino acid sequence of a 
fragment of ***human*** CD100 (bottom sequence).
       FIG. 5 is a graphic representation of the result of flow cytometry analyses of COS cells transiently transfected with a CD100 cDNA (CD100), pCDM8 vector alone (Vector), and B7-1 cDNA (B7-1) and stained with the anti-CD100 antibodies BD16, F93G2, and BB18; and with the isotype matched
         B7-1 antibody B1.1.
       FIG. 6 is a photograph of a Western blot showing that the antiCD100
         antibody BB18 immunoprecipitates a 150 kDa protein from CHO cells
         transfected with a CD100 cDNA (CHO-CD100) and from activated T cells, but
       not from non-transfected CHO cells (CHO).

FIG. 7 is a photograph of a Northern blot hybridization depicting the expression of CD100 mRNA in activated B cells (Act. B), Raji cells
       (Raji), and activated T cells (Act. T).

FIG. 8 is a photograph of a Northern blot hybridization depicting the expression of CD100 mRNA in different tissues.
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immunostained with a CD100 monocional antibody (FIG. 9a), a CD20 monoclonal antibody (FIG. 9b) and a CD3 monoclonal antibody (FIG. 9c). FIG. 9d represents an hematoxylin and eosin stained section of lymphoid
      tissue showing a germinal center and mantle zone of a secondary lymphoie follicle with adjacent interfollicular T cell zone. All original
      magnifications: 100 x
  FIG. 10 are photographs depicting ***human*** splenic B cells cultured with mock transfected NIH-3T3 cells (t-mock) (FIG. 10a); CD40L transfected NIH-3T3 cells (tCD40L; FIGS. 10b and e); 50% mock transfected and 50% CD40L transfected NIH-3T3 cells (t-mock/tCD40L) (FIG. 10c) (CD100) transfected NIH-3T3 cells (t-mock) (CD100) transfected NIH-3T3 (CD1000) transfected NIH-3T3 (CD10000) transfected NIH-3
                                                                                                                                                 splenic B cells cultured
     10c), CD100 transfected NIH-3T3 cells (t-CD100) (FIG. 10d); and 50% CD100 transfected and 50% CD40L transfected NIH-3T3 cells (t-CD100 /t-CD40L) (FIG. 10f), showing that CD100 stimulates B cell homotypic aggregation
     and that this effect synergizes with CD40 stimulation.
  FIG. 11 depicts a histogram showing the number of viable ***human*** B cells (x 106) after incubation of 106 B cells for 72 hours with mock transfected NIH-3T3 cells (t-mock); CD100 transfected NIH-3T3 cells (t-CD100); CD40 transfected NIH-3T3 cells (t-CD40); 50% mock transfected negative CD401 transfected negative CD401 transfected
     and 50% CD40L transfected NIH-3T3 cells (t-mock/t-CD40L); and 50% CD100
     transfected and 50% CD40L transfected NIH-3T3 cells indicating that CD100
  and CD40L stimulation prolong B cell survival and that CD100 and CD40L synergistically stimulate B cell survival.

FIG. 12 is a graphic representation of a two color FACS analysis performed with anti-CD19 and anti-CD23 antibodies of ***human*** splenic B
     cells performed after 72 hours of co-culture with tmock/t-CD40L cells or
     t-CD100/t-CD40L showing that CD100 reduces expression of CD40L-induced
     CD23 expression.
 FIG. 13 depicts the results of proliferation assays of CD4+ T cells incubated in media alone, with an anti-CD3 antibody, with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-1 cDNA (t-B7-1), with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-2 cDNA (t-B7-2), and with an anti-CD3 antibody and NIH-3T3 cells transfected with a CD100 cDNA (tCD100) showing that CD100 is a T cell costimulatory
    molecule.
  FIG. 14 depicts the results of proliferation assays of CD4+ T cells
     incubated with and anti-CD3 antibody and 2 x 104 t-B7-1 cells and 0, 1 x
 104, 2 x 104, or 3 x 104 t-B7-1 or t-CD100 cells.

FIG. 15 depicts the results of proliferation assays of CD4+ T cells incubated with and anti-CD3 antibody and 2 x 104 t-B7-2 cells and 0, 1 x 104, 2 x 104, or 3 x 104 t-B7-2 or t-CD100 cells.
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                                IFIPAT; IFIUDB; IFICDB
    NUCLEIC ACIDS ENCODING CD100 MOLECULES; WHICH STIMULATE A LEUKOCYTE
    RESPONSE, SUCH AS A B CELL RESPONSE, INCLUDING B CELL AGGREGATION, B CELL
    DIFFERENTIATION, B CELL SURVIVAL, AND/OR T CELL PROLIFERATION
   BOUSSIOTIS VASSILIKI A; FREEMAN GORDON J; HALL KATHRYN T; NADLER LEE M;
    SCHULTZE JOACHIM L
    Dana-Farber Cancer Institute Inc (11804)
    US 2003044416
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    US 1995-556422
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   US 2003044416
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   US 6576754
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   Utility; Patent Application - First Publication
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   APPLICATION
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      15 Figure(s).
15 Figure(s).

FIG. 1 is the nucleotide sequence of a 4.2 kb cDNA encoding full length

***human*** CD100 (SEQ ID NO: 1).

FIG. 2 is the predicted full length amino acid sequence of ***human***

CD100 (SEQ ID NO: 2) aligned for comparison to the ***semaphorin***

and Ig domains of ***Human*** ***semaphorin*** III (H-sema III)

(SEQ ID NO: 3) and Mouse ***semaphorin*** C (M-Sema C) (SEQ ID NO:

4). The regions of identity are boxed. The putative signal sequence is underlined; the sema domain is delimited by *; the gray box indicates the Ig-like domain; the transmembrane region is double-underlined; and the putative tyrosine phosphorylation site KPALTGY (SEQ ID NO: 5) (MAC Pattern: GenBank accession number PS00007) in the cytoplamic tail is
   Pattern: GenBank accession number PS00007) in the cytoplamic tail is
FIG. 3 is a schematic representation of the structure of
                                                                                                                                                                      ***human***
   CD100 indicating the different domains and the tyrosine phosphorylation
   site (Y).
FIG. 4 represents a sequence comparison between the amino acid sequence of
         ***collapsin*** 4 (top sequence) and the amino acid sequence of a
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FIG. 5 is a graphic representation of the result of flow cytometry analyses of COS cells transiently transfected with a CD100 cDNA (CD100), pCDM8 vector alone (Vector), and B7-1 cDNA (B7-1) and stained with the anti-CD100 antibodies BD16, F93G2, and BB18; and with the isotype matched B7-1 antibody B1.1. FIG. 6 is a photograph of a Western blot showing that the antiCD100 antibody BB18 immunoprecipitates a 150 kDa protein from CHO cells transfected with a CD100 cDNA (CHO-CD100) and from activated T cells, but not from non-transfected CHO cells (CHO).
FIG. 7 is a photograph of a Northern blot hybridization depicting the expression of CD100 mRNA in activated B cells (Act. B), Raji cells (Raji), and activated T cells (Act. T).

FIG. 8 is a photograph of a Northern blot hybridization depicting the expression of CD100 mRNA in different tissues. FIGS. 9a-c are photographs depicting cryostat sections of lymphoid tissue immunostained with a CD100 monoclonal antibody (FIG. 9a), a CD20 monoclonal antibody (FIG. 9b) and a CD3 monoclonal antibody (FIG. 9c). FIG. 9d represents an hematoxylin and eosin stained section of lymphoid tissue showing a germinal center and mantle zone of a secondary lymphoie follicle with adjacent interfollicular T cell zone. All original magnifications: 100 x magnifications: 100 x.

FIG. 10 are photographs depicting ***human*** splenic B cells cultured with mock transfected NIH-3T3 cells (t-mock) (FIG. 10a); CD40L transfected NIH-3T3 cells (t-CD40L; FIGS. 10b and e); 50% mock transfected and 50% CD40L transfected NIH-3T3 cells (t-mock/tCD40L) (FIG. 10c), CD100 transfected NIH-3T3 cells (t-CD100) (FIG. 10d); and 50% CD100 transfected and 50% CD40L transfected NIH-3T3 cells (t-CD100/t-CD40L) (FIG. 10f) showing that CD100 stimulates B cell homotypic aggregation (FIG. 10f), showing that CD100 stimulates B cell homotypic aggregation and that this effect synergizes with CD40 stimulation. FIG. 11 depicts a histogram showing the number of viable ***human* cells (x 106) after incubation of 106B cells for 72 hours with mock ***human*** transfected NIH-3T3 cells (t-mock); CD100 transfected NIH3T3 cells (t-CD100); CD40 transfected NIH-3T3 cells (t-CD40); 50% mock transfected and 50% CD40L transfected NIH-3T3 cells (tmock/t-CD40L); and 50% CD100 transfected and 50% CD40L transfected NIH-3T3 cells indicating that CD100 and CD40L stimulation prolong B cell survival and that CD100 and CD40L synergistically stimulate B cell survival. FIG. 12 is a graphic representation of a two color FACS analysis performed with anti-CD19 and anti-CD23 antibodies of ***human*** splenic B cells performed after 72 hours of co-culture with tmock/t-CD40L cells or t-CD100/t-CD40L showing that CD100 reduces expression of CD40L-induced CD23 expression. FIG. 13 depicts the results of proliferation assays of CD4+ T cells incubated in media alone, with an anti-CD3 antibody, with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-1 cDNA (t-B7-1), with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-2 cDNA (t-B7-2), and with an anti-CD3 antibody and NIH-3T3 cells transfected with a CD100 cDNA (tCD100) showing that CD100 is a T cell costimulatory molecule. FIG. 14 depicts the results of proliferation assays of CD4+ T cells incubated with and anti-CD3 antibody and 2 x 104 t-B7-1 cells and 0, 1 x 104, 2 x 104, or 3 x 104 t-B7-1 or t-CD100 cells. IG. 15 depicts the results of proliferation assays of CD4+ T cells incubated with and anti-CD3 antibody and 2 x 104 t-B7-2 cells and 0, 1 x 104, 2 x 104, or 3 x 104 t-B7-2 or t-CD100 cells. ANSWER 162 OF 441 ${ t IFIPAT}$ COPYRIGHT 2004 IFI on STN IFIPAT; IFIUDB; IFICDB ANTAGONISTS OF NEUROPILIN RECEPTOR FUNCTION AND USE THEREOF; NEUROPILIN ANTAGONIST THAT BINDS NEUROPILIN AND HAS VEGF ANTAGONIST ACTIVITY AS DETERMINED BY THE ***HUMAN*** UMBILICAL VEIN ENDOTHELIAL CELL PROLIFERATION ASSAY USING VEGF165; TREATMENT OF METASTATIC CANCER, AND ANGIOGENIC DISEASES Klagsbrun Michael; Miao Hua-Quan; Soker Shay; Takashima Seiji (JP) Unassigned Or Assigned To Individual (68000) US 2002132774 Al 20020919 US 2002-104440 20020322 19981209 CONTINUATION WO 1998-US26114 UNKNOWN US 2000-580803 20000530 CONTINUATION ABANDONED US 1997-69155P 19971209 (Provisional) US 1997-69687P 19971212 (Provisional) US 1998-78541P 19980319 (Provisional) US 2002132774 20020919 Utility; Patent Application - First Publication CHEMICAL

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FI DT FS CTMN GΙ 31 Figure(s). FIG. 1 shows purification of VEGF165R From 231 Cells. 125IVEGF165 (5 ng/ml) was bound and cross-linked to receptors on 231 cells and analyzed by SDS PAGE and autoradiography (lane 1). VEGF165R was purified by Con A and VEGF165 affinity column chromatography and analyzed by SDS-PAGE and silver stain (lane 2). Two prominent bands were detected (arrows) and N-terminally sequenced separately. Their N-terminal 18 amino acid sequences are shown to the right of the arrows. The published N-terminal sequences of ***human*** and mouse neuropilin (Kawakami et al., J. Neurobiol, 29, 1-17 (1995); He and Tessier-Lavigne, Cell 90, 739-751 1997) are shown below (SEQ ID NOS: 5 and 6).
FIGS. 2A and 2B show isolation of VEGF165R cDNA by Expression Cloning. Photomicrographs (dark field illumination) of COS 7 cells binding 125I-VEGF165. 125I-VEGF165 was bound to transfected COS 7 cells which were then washed, fixed, and overlayed with photographic emulsion that was developed as described in the example, infra.

FIG. 2A shows COS 7 cells were transfected with a primary plasmid pool
(#55 of the 231 cell library) representing approximately 3 x 103 clones
and one COS 7 cell binding 125IVEGF165 in the first round of screening is shown. FIG. 2 shows several COS 7 cells transfected with a single positive cDNA clone (A2) binding 125I-VEGF165 after the third round of screening. FIG. 3 shows the Deduced Amino Acid Sequence of ***Human*** VEGF165R NP-1 (SEQ ID NO: 3). The deduced 923 amino acid sequence of the open reading frame of VEGF165R/NP-1, clone A2 (full insert size of 6.5 kb) i shown. The putative signal peptide sequence (amino acids 1-21) and the putative transmembrane region (amino acids 860-883) are in boxes. The amino acid sequence obtained by N-terminal amino acid sequencing (FIG. amino acids 22-39) is underlined. The arrow indicates where the signal peptide has been cleaved and removed, based on comparison of the N-terminal sequence of purified VEGF166R/NP-1 and the cDNA sequence. The sequence of ***human*** VEGF165R/NP-1 reported here differs from that sequence of ***human*** VEGF165R/NP-1 and the cDNA sequence. The reported by He et al. (He and Tessier-Lavigne, Cell 90, 739-751 (1997)) in that we find Lys26 rather than Glu26, and Asp855 rather than Glu855 Lys26 and Asp855 are found, however, in mouse and rat VEGF165R/NP-1 (Kwakami et al., J. Neutrobiol. 29, 1-17 (1995); He and Tessier-Lavigne, Cell 90, 739-751 (1997)). FIG. 4 shows the Comparison of the Deduced Amino Acid Sequence of ***Human*** VEGF165R/NP-1 (SEQ ID NO: 2) and NP-2 (SEQ ID NO: 4) deduced open reading frame amino acid sequences of VEGF165R/ NP-1 and NP-2 are aligned using the DNASIS program. Amino acids that are identical in both open reading frames are shaded. The overall homology between the two sequences is 43%. FIG. 5 shows a Northern Blot Analysis of VEGF165R/NP-1 Expression in

Human EC and Tumor-Derived Cell Lines. Total RNA samples prepare from HUVEC (lane 1) and tumor-derived breast carcinoma, prostate carcinoma and melanoma cell lines as indicated (lanes 2-8) were resolved on a 1% agarose gel and blotted onto a GeneScreen nylon membrane. The membrane was probed with 32P-labeled VEGF165R/NP-1 cDNA and exposed to X-ray film. Equal RNA loading was demonstrated by ethydium bromide staining of the gel prior to blotting. A major species of VEGF165R/NP-1 mRNA of approximately 7 kb was detected in several of the cell lines.

FIG. 6 shows a Northern Blot Analysis of VEGF165R/NP-1 and KDR mRNA in Adult ***Human*** Tissues. A pre-made Northern blot membrane containing multiple samples of ***human*** mRNA (Clonetech) mRNA (Clonetech) was probed with 32P-labeled VEGF165R/NP-1 cDNA (top) as described in FIG. 5, and then stripped and reprobed with 32P-labeled KDR cDNA (bottom).

FIGS. 7A and 7B show a Scatchard Analysis of VEGF165 binding to VEGF165R/NP-1. FIG. 7A. Increasing amounts of 125I-VEGF165 (0.150 ng/ml) were added to subconfluent cultures of PAE cells transfected with ***human*** VEGF 165R/NP-1 cDNA (PAE/NP-1 cells) in 48 well dishes. Non-specific binding was determined by competition with a 200-fold excess of unlabeled VEGF165. After binding, the cells were washed, lysed and the cell-associated radioactivity was determined using a gamma counter. FIG. 7B. The binding data shown in FIG. 7A were analyzed by the method of Scatchard, and a best fit plot was obtained with the LIGAND program (Munson and Rodbard, 1980). PAE/NP-1 cells express approximately 3 x 105 VEGF165 binding sites per cell and bind 125I-VEGF165 with a Kd of 3.2 x 10-10 M.

FIG. 8 shows cross-linking of VEGF165 and VEGF121 to PAE cells Expressing VEGF165R/NP-1 and/or KDR. 125 I-VEGF165 (5 ng/ml) (lanes 1-6) or 125 I-VEGF121 (10 ng/ml) (lanes 7-10) were bound to subconfluent cultures of HUVEC (lane 1), PC3 (lane 2), PAE (lanes 3 and 7), a clone of PAE cells transfected with ***human*** VEGF165R/NP-1 cDNA (PAE/NP-1) (lanes 4

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VEGF165R/NP-1 cDNA (PAE/KDR Cells transfected with ***numan***
VEGF165R/NP-1 cDNA (PAE/KDR/NP-1) (lanes 6 and 10). The binding was carried out in the presence of 1 mu g/ml heparin. At the end of a 2 hour incubation, each 125I-VEGF isoform was chemically crosslinked to the cell surface. The cells were lysed and proteins were resolved by 6% SDS-PAGE. The polyacrylamide gel was dried and exposed to X-ray film. Solid arrows denote radiolabeled complexes containing 125I-VEGF and KDR, open arrows denote radiolabeled complexes containing 125I-VEGF and VEGF165R/NP-1.
FIG. 9 shows cross linking of VEGF165 to PAE/KDR Cells Coexpressing VEGF165R/NP-1 Transiently. PAE/KDR cells were transfected with pCPhygro or pCPhyg-NP-1 plasmids as described in "Experimental Procedures", and grown for 3 days in 6 cm dishes. 125I-VEGF165(5 ng/ml) was bound and cross linked to parental PAE/KDR cells (lane 1), to PAE/KDR cells transfected with pCPhygro vector control (V) (lane 2), to PAE/KDR cells transfected with pCPhygro-VEGF165R/NP-1 plasmids (VEGF165R/NP-1) (lane 3), and to HUVEC (lane 4).). The binding was carried out in the presence of 1 mu g/ml heparin. The cells were lysed and proteins were resolved by 6% SDS-PAGE as in FIG. 8. Solid arrows denote radiolabeled complexes containing 125I-VEGF165 and VEGF165R/NP-1.
FIG. 10 shows inhibition of 125I-VEGF165 binding to VEGF165R/NP1 interferes with its binding to KDR. 125I-VEGF165 (5 ng/ml) was bound to subconfluent cultures of PAE transfected with ***human*** VEGF165R/NP-1 cDNA (PAE/NP-1) (lanes 1 and 2), PAE/KDR cells (lanes 3 and 4), and PAE/KDR cells transfected with ***human*** VEGF165R/NP-1 cDNA (PAE/NP-1) (lanes 5 and 6) or the absence (lanes 1. 3. and out in the presence (lanes 2. 4. and 6) or the absence (lanes 1. 3. and
                                      and a clone of PAE/KDR cells transfected with
  4), and PAE/KDR cells transfected with ***human*** VEGF165R/NP-1 cDNA (PAE/KDR/NP-1) (lanes 5 and 16) in 35 mm dishes. The binding was carried out in the presence (lanes 2, 4, and 6) or the absence (lanes 1, 3, and 5) of 25 mu g/ml GST-Ex 7+8. Heparin (1 mu g/ml) was added to each dish. At the end of a 2 hour incubation, 125I-VEGF165 was chemically cross-linked to the cell surface. The cells were lysed and proteins were resolved by 6% SDS-PAGE as in FIG. 9. Solid arrows denote radiolabeled complexes containing 125I-VEGF165 and KDR, open arrows denote radiolabeled complexes containing 125I-VEGF165 and VEGF165R/NP-1. FIGS. 11A-C show a model for VEGF165R/NP-1 modulation of VEGF165 Binding to KDR. 11A.Cells expressing KDR alone. 11B.Cells coexpressing KDR and VEGF165R/NP-1. 11C.Cells co-expressing KDR and VEGF165R/NP-1 in the presence of GST-Ex 7+8 fusion protein.
  VEGF165R/NP-1. IIC.Cells co-expressing ADR and VEGF165R/NF-1 in the presence of GST-Ex 7+8 fusion protein.

A single KDR receptor or a KDR-VEGF165R/NP-1 pair is shown in top portion. An expanded view showing several receptors is shown in the bottom portion. VEGF165 binds to KDR via exon 4 and to VEGF165R/NP-1 via exon 7 (Keyt et al. J. Biol. Chem. 271, 5638-5646 (1996b); Soker et al., J. Biol. Chem. 271, 5761-5767 (1996)). A rectangular VEGF165 molecule represents a suboptimal conformation that doesn't bind to KDR efficiently while a rounded VEGF165 molecule represents one that fits better into a
        while a rounded VEGF165 molecule represents one that fits better into a binding site. In cells expressing KDR alone, VEGF165 binds to KDR in a sub-optimal manner. In cells co-expressing KDR and VEGF165R/NP-1, the binding efficiency of VEGF165 to KDR is enhanced. It may be that the presence of VEGF165R/NP-1 increases the concentration of VEGF165 on the
       cell surface, thereby presenting more growth factor to KDR.
Alternatively, VEGF165R/NP-1 may induce a change in VEGF165 conformation that allows better binding to KDR, or both might occur. In the presence of GST-Ex 7+8, VEGF165 binding to VEGF165R/NP-1 is competitively
         inhibited and its binding to KDR reverts to a suboptimal manner.

'IG. 12 shows the ***human*** NP-2 amino acid sequence (SEQ ID NO: 4).

'IGS. 13A and 13B show the ***human*** NP-2 DNA sequence (SEQ ID NO:
   FIG. 12 shows the
  FIGS. 13A and 13B show the
  FIGS. 14A, 14B and 14C show the nucleotide (SEQ ID NO: 1) and amino acid sequences (SEQ ID NO: 2) of VEGF165R/NP-1.
FIGS. 15A and 15B show VEGF165 stimulation of MDA MB 231 cell motility.
FIGS. 15A and 15B snow VEGF165 stimulation of MDA MB 231 cell motility. (FIG. 15A) Dose response of VEGF165 motility activity. (FIG. 15B) Both VEGF165 and bFGF stimulate motility but VEGF121 does not.
FIGS. 16A, 16B and 16C show motility and neuropilin-1 expression of Dunning rat prostate carcinoma cell lines AT3-1 (high motility, high metastatic potential) and AT2.1 (low motility, low metastatic potential) cells. (FIG. 16A) AT3.1 cells are more motile than AT2.1 cells in a Boyden chamber assay. 125IVEGF165 cross-links neuropilin-1 on AT3.1 cells but does not cross-link to AT2.1 cells. (FIG. 16C) AT3.1 but not AT2.1 cells express neuropilin-1. while both cell types express VEGF.
cells express neuropilin-1, while both cell types express VEGF.
FIGS. 17A, 17B and 17C show immunostaining of (FIG. 17A) a PC3
subcutaneous tumor in a nude mouse, (FIG. 17B) an AT3.1 tumor in a rat,
(FIG. 17C) an AT2.1 tumor in rat with antineuropilin-1 antibodies.
Neuropilin immunostaining is preferentially associated with PC3 and AT3.1
tumor cells at the tumor/dermis boundary. Some of these cells cluster around blood vessels. AT2.1 cells do not express neuropilin-1.
FIGS. 18A and 18B show overexpression of neuropilin-1 in AT2.1 cells.
FIGS. 18A and 18B show overexpression of neuropilin-1 in AT2.1 cells.
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(lanes 4,5,6) express higher amounts or neuropilin-1 protein and are more
           motile compared to parental AT2.1 cells or AT2.1 vector (AT2.1/V)
            controls and approach AT3. 1 cell neuropilin-1 levels and migration
            activity.
          FIG. 19 shows expression of NP-1, NP-2 and beta-actin in cancer cell lines
           and endothelial cells using reverse transcriptase PCR following primers:
                  ***Human***
                                          NP-1
         Forward (328-351): 5' TTTCGCAACGATAAATGTGGCGAT 3' (SEQ ID NO: 7) Reverse (738-719): 5' TATCACTCCACTAGGTGTTG 3' (SEQ ID NO: 8)
                  ***Human***
                                         NP-2
         Forward (513-532): 5' CCAACCAGAAGATTGTCCTC 3' (SEQ ID NO: 9)
Reverse (1181-1162): 5' GTAGGTAGATGAGGCACTGA 3'. (SEQ ID NO: 10)
FIG. 20 shows the effects of ***collapsin*** -1 treatment on PAE cell
motility in a Boyden chamber. Collapsin-1 inhibits, by about 65% the
           basal migration of PAE cells expressing neuropilin-1 but not PAE cells expressing KDR. alone One ***collapsin*** unit is about 3 ng/ml.
         FIGS. 21A and 21B show results of the aortic ring assay. ***Collapsin* was added (FIG. 21A) or not added (FIG. 21B) to a segment of rat aortic ring and the migration of endothelial cells out of the rings and their
                                                                                                                       ***Collapsin***
           formation of tubes was monitored after a week in organ culture. Migration and tube formation are inhibited by ***collapsin*** -1.!
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           CD100 ANTIGEN AND USES THEREFOR
          Boussiotis Vassiliki A; Freeman Gordon J; Hall Kathryn T; Nadler Lee M;
           Schultze Joachim L (DE)
           Dana-Farber Cancer Institute Inc (11804)
           US 6576754
                                        B2
                                                20030610
           US 2003044416
                                        Α1
                                                20030306
           US 1995-556422
                                                19951109
           US 6576754
                                                20030610
           US 2003044416
                                                20030306
           Utility; Granted Patent - Utility, with Pre-Grant Publication
           CHEMICAL
           GRANTED
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        21 Drawing Sheet(s), 15 Figure(s).

FIG. 1 is the nucleotide sequence of a 4.2 kb cDNA encoding full length ***human*** CD100 (SEQ ID NO: 1) and the predicted full length amino acid sequence of ***human*** CD100 (SEQ ID NO: 2).

FIG. 2 is the predicted full length amino acid sequence of ***human*** CD100 (SEQ ID NO: 2) aligned for comparison to the ***semaphorin*** and Ig domains of ***Human*** ***semaphorin*** III (H-sema III)

(GEO ID NO: 2) and Mouse ***semaphorin*** C (M-Sema C) (SEO ID NO:
           (SEQ ID NO: 3) and Mouse
                                                           ***semaphorin***
          4). The regions of identity are boxed. The putative signal sequence is underlined; the sema domain is delimited by *; the gray box indicates the Ig-like domain; the transmembrane region is double-underlined; and the putative tyrosine phosphorylation site KPALTGY (SEQ ID NO: 5) (MAC Pattern: GenBank accession number PS00007) in the cytoplamic tail is
                                                                                                C (M-Sema C) (SEQ ID NO:
         FIG. 3 is a schematic representation of the structure of
                                                                                                                      ***human***
          CD100 indicating the different domains and the tyrosine phosphorylation
          site (Y).
        FIG. 4 represents a sequence comparison between the amino acid sequence of ***collapsin*** 4 (SEQ ID NO: 6) (top sequence) and the amino acid sequence of a fragment of ***human*** CD 100 (SEQ ID NO: 7) (bottom
                                                                                        CD 100 (SEQ ID NO: 7)
          sequence).
        FIG. 5 is a graphic representation of the result of flow cytometry analyses of COS cells transiently transfected with a CD100 cDNA (CD100), pCDM8 vector alone (Vector), and B7-1 cDNA (B7-1) and stained with the anti-CD100 antibodies BD16, F93G2, and BB18; and with the isotype matched
          B7-1 antibody B1.1.
        FIG. 6 is a photograph of a Western blot showing that the antiCD100
          antibody BB18 immunoprecipitates a 150 kDa protein from CHO cells
          transfected with a CD100 cDNA (CHO-CD100) and from activated T cells, but
        not from non-transfected CHO cells (CHO).

FIG. 7 is a photograph of a Northern blot hybridization depicting the expression of CD100 mRNA in activated B cells (Act. B), Raji cells (Raji), and activated T cells (Act. T).

FIG. 8 is a photograph of a Northern blot hybridization depicting the expression of CD100 mRNA in different tissues.
        FIG. 9a-c are photographs depicting cryostat sections of lymphoid tissue immunostained with a CD100 monoclonal antibody (FIG. 9a), a CD20
          monoclonal antibody (FIG. 9b) and a CD3 monoclonal antibody (FIG. 9c).
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tissue snowing a germinal center and mantle zone of a secondary lymphole follicle with adjacent interfollicular T cell zone. All original magnifications: 100 x

FIG. 10 are photographs depicting ***human*** splenic B cells cultured with mock transfected NIH-3T3 cells (t-mock) (FIG. 10a); CD40L transfected NIH-3T3 cells (t-CD40L; FIGS. 10b and e); 50% mock transfected and 50% CD40L transfected NIH-3T3 cells (t-mock/tCD40L) (FIG. 10c), CD100 transfected NIH-3T3 cells (t-CD100) (FIG. 10d); and 50% CD100 transfected and 50% CD40L transfected NIH-3T3 cells (t-CD100t-CD40L) (FIG. 10f), showing that CD100 stimulates B cell homotypic aggregation and that this effect synergizes with CD40 stimulation.

FIG. 11 depicts a histogram showing the number of viable ***human*** B cells (x 106) after incubation of 106 B cells for 72 hours with mock transfected NIH-3T3 cells (t-mock); CD100 transfected NIH-3T3 cells (t-CD100); CD40 transfected NIH-3T3 cells (t-CD40); 50% mock transfected NIH-3T3 cells (t-mock); and 50% CD100 and 50% CD40L transfected NIH-3T3 cells (t-mock/t-CD40L); and 50% CD100 transfected and 50% CD40L transfected NIH-3T3 cells indicating that CD100 and CD40L stimulation prolong B cell survival and that CD100 and CD40L synergistically stimulate B cell survival.

FIG. 12 is a graphic representation of a two color FACS analysis performed

with anti-CD19 and anti-CD23 antibodies of ***human*** splenic B cells performed after 72 hours of co-culture with tmock/t-CD40L cells or t-CD 1 00t-CD40L showing that CD100 reduces expression of CD40L-induced

CD23 expression.

FIG. 13 depicts the results of proliferation assays of CD4+T cells incubated in media alone, with an anti-CD3 antibody, with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-1 cDNA (t-B7-1), with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-2 cDNA (t-B7-2), and with an anti-CD3 antibody and NIH-3T3 cells transfected with a CD100 cDNA (tCD100) showing that CD100 is a T cell costimulatory molecule.

FIG. 14 depicts the results of proliferation assays of CD4+T cells incubated with and anti-CD3 antibody and 2 x 104 t-B7-1 cells and 0, 1 x 104, 2 x 104, or 3 x 104 t-B7-1 or t-CD100 cells.

15 depicts the results of proliferation assays of CD4+T cells incubated with and anti-CD3 antibody and 2 \times 104 t-B7-2 cells and 0, 1 \times 104, 2 x 104, or 3 x 104t-B7-2 or t-CD100 cells.

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AN2003:101686 LIFESCI

- Expression and Regulation of the Novel Vascular Endothelial Growth Factor TIReceptor Neuropilin-1 by Epidermal Growth Factor in ***Human*** Pancreatic Carcinoma
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- Parikh, A.A.; Liu, W.B.; Fan, F.; Stoeltzing, O.; Reinmuth, N.; Bruns, C.J.; Bucana, C.D.; Evans, D.B.; Ellis, L.M.*
 Department of Surgical Oncology, Box 444, The University of Texas M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030-4009; CS

E-mail: lellis@mdanderson.org Cancer, (20030000) vol. 98, no. 4, pp. 720-729. SO ISSN: 0008-543X.

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SLEnglish

ANSWER 165 OF 441 LIFESCI L4COPYRIGHT 2004 CSA on STN

ΑN 2002:41992 LIFESCI

Isolation and Expression Pattern of Phosphoprotein 6/ ***Collapsin*** TI ***Human*** Unc-33-Like Response Mediator Protein 5 (Ulip6/CRMP5): Coexistence with Ulip2/CRMP2 in Sema3A-Sensitive Oligodendrocytes

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- Ricard, D.; Rogemond, V.; Charrier, E.; Aguera, M.; Bagnard, D.; Belin, M.-F.; Thomasset, N.; Honnorat, J.
 Institut National de la Sante et de la Recherche Medicale U 433, Institut CS Federatif des Neurosciences de Lyon, Hopital Neurologique, 69003 Lyon, France
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T.TEvidence That ***Collapsin*** Response Mediator Protein-2 is involved in the Dynamics of Microtubules Gu, Y.; Ihara, Y. Department of Neuropathology, Faculty of Medicine, University of Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan; E-mail: ΑU CS yihara@m.u-tokyo.ac.jp. Journal of Biological Chemistry [J. Biol. Chem.], (20000616) vol. 275, no. 17917-17920. ISSN: 0021-9258. SO DT Journal FS N; N3 LAEnglish English SLL4ANSWER 167 OF 441 COPYRIGHT 2004 CSA on STN LIFESCI AN1999:49513 LIFESCI Cloning and expression pattern of a murine TI ***semaphorin*** homologous to H-sema IV Eckhardt, F.; Meyerhans, A. Institute of Biochemistry, University of Erlangen-Nuernberg, 91054 ΑU CS Erlangen, Germany Neuroreport, (19981201) vol. 9, no. 17, pp. 3975-3979. SO ISSN: 0959-4965. DT Journal FS И3 LΑ English \mathtt{SL} English L4ANSWER 168 OF 441 LIFESCI COPYRIGHT 2004 CSA on STN AN1998:103933 LIFESCI Anatomical distribution of the chemorepellent TI ***semaphorin*** ***collapsin*** -1 in the adult rat and III/ ***human*** brain: Predominant expression in structures of the olfactory-hippocampal pathway and the motor system Giger, R.J.; Pasterkamp, R.J.; Heijnen, S.; Holtmaat, A.J.G.D.; Verhaagen, J.* ΑU Netherlands Institute for Brain Research, Meibergdreef 33, 1105 AZ CS Amsterdam ZO, Netherlands J. NEUROSCI. RES., (19980400) vol. 52, no. 1, pp. 27-42. SO ISSN: 0360-4012. DT Journal FS N3; R LΑ English SLEnglish L4ANSWER 169 OF 441 LIFESCI COPYRIGHT 2004 CSA on STN ANLIFESCI 1998:84479 Neuropilin-1 is expressed by endothelial and tumor cells as an TI isoform-specific receptor for vascular endothelial growth factor Soker, S.; Takashima, S.; Miao, Hua Quan; Neufeld, G.; Klagsbrun, M Department of Surgery, Children's Hospital, Harvard Medical School, Boston, Massachusetts 02115, USA AU CS SO CELL, (19980300) vol. 92, no. 6, pp. 735-745. ISSN: 0092-8674. DT Journal N; G; B English FS LΑ \mathtt{SL} English L4ANSWER 170 OF 441 LIFESCI COPYRIGHT 2004 CSA on STN AN1998:23536 LIFESCI Cloning and characterization of the mouse TI ***collapsin*** response mediator protein-1, Crmp1 Cohen-Salmon, M.; Crozet, F.; Rebillard, G.; Petit, C.*
Unite de Genetique des de'ficits Sensoriels, CNRS URA 1968, Inst. Pasteur,
25 Rue du Docteur Roux, 75724 Paris Cedex 15, France ΑU CS MAMM. GENOME, (19970500) vol. 8, no. 5, pp. 349-351. SO ISSN: 0938-8990. DT Journal FS G; N LAEnglish ANSWER 171 OF 441 L4LIFESCI COPYRIGHT 2004 CSA on STN AN96:108560 LIFESCI TI Isolation of the ***human*** ***semaphorin*** III/F gene (SEMA3F)

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                               ***semaphorins***
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Institut National de la Sante et de la Recherche Medicale U 433, Hopital
Neurologique, 59 Bd Pinel, 69003 Lyon, France.
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       General Review; (REVIEW)
       (REVIEW, TUTORIAL)
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       Entered Medline: 20031205
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Institut fur Physiologische Chemie, Rheinische Friedrich-Wilhelms-
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                                                                                                  and
AU
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      Last Updated on STN: 20020830
      Entered Medline: 20020815
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      PubMed ID: 11956234
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         ***Semaphorins***
ΑU
      Department of Molecular Pharmacology and Neurobiology, Yokohama City University School of Medicine, 3-9 Fuku-ura, Kanazawa-ku, Yokohama
CS
      236-0004, Japan.. goshima@med.yokohama-cu.ac.jp
      Journal of clinical investigation, (2002 Apr) 109 (8) 993-8.
Journal code: 7802877. ISSN: 0021-9738.
SO
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      Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
DT
      (REVIEW, TUTORIAL)
LΑ
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      2002206675
DN
      PubMed ID: 11939589
      Cell type-specific expression of neuropilins in an MCA-occlusion model in
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      mice suggests a potential role in post-ischemic brain remodeling.
      Beck Heike; Acker Till; Puschel Andreas W; Fujisawa Hajime; Carmeliet
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      Institute of Neurology (Edinger-institute), JWG University, Frankfurt am
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      Journal of neuropathology and experimental neurology, (2002 Apr) 61 (4)
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      339-50.
      Journal code: 2985192R. ISSN: 0022-3069.
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      United States
DT
      Journal; Article; (JOURNAL ARTICLE)
LΑ
      English
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DN
       PubMed ID: 11741937
       ***Collapsin*** response mediator protein-2 inhibits neuronal phospholipase D(2) activity by direct interaction.

Lee Sukmook; Kim Jung Hwan; Lee Chang Sup; Kim Jong Hyun; Kim Youndong; Heo Kyun; Ihara Yasuo; Goshima Yoshio; Suh Pann-Ghill; Ryu Sung Ho
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       Division of Molecular and Life Sciences, Pohang University of Science and
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       Journal code: 2985121R. ISSN: 0021-9258.
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DT
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       English
LΑ
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       2002091285
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       PubMed ID: 11821955
ΤI
      Histone deacetylases inhibitors as anti-angiogenic agents altering
      vascular endothelial growth factor signaling.
Deroanne Christophe F; Bonjean Karine; Servotte Sandrine; Devy Laetitia; Colige Alain; Clausse Nathalie; Blacher Sylvia; Verdin Eric; Foidart Jean-Michel; Nusgens Betty V; Castronovo Vincent
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      Research Center in Experimental Cancerology, University of Liege,
      Sart-Tilman, B-4000 Liege, Belgium.. LCTB@ulg.ac.be
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      Journal; Article; (JOURNAL ARTICLE)
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      2002043087
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                          MEDLINE
DN
      PubMed ID: 11771764
TI
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      fetal Down syndrome brain.
Weitzdoerfer R; Fountoulakis M; Lubec G
Department of Pediatrics, University of Vienna, Austria.
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LA
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      PubMed ID: 11716506
TI
      Gene expression analysis in
                                             ***human***
                                                                 monocytes, monocyte-derived
      dendritic cells, and alpha-galactosylceramide-pulsed monocyte-derived
      dendritic cells.
      Lapteva N; Nieda M; Ando Y; Nicol A; Ide K; Yamaura A; Hatta-Ohashi Y;
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Department of Human Genetics, University of Tokyo, Tokyo, Japan.
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      Biochemical and biophysical research communications, (2001 Nov 30) 289 (2)
      531-8.
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      PubMed ID: 11583986
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                             response mediator protein switches RhoA and Racl
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      2001642767
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DN
      PubMed ID: 11677062
ΤI
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ΑU
     Herzog Y; Kalcheim C; Kahane N; Reshef R; Neufeld G
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     Department of Biology, Technion, Israel Institute of Technology, 32000,
     Haifa, Israel.
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     Mechanisms of development, (2001 Nov) 109 (1) 115-9.
      Journal code: 9101218. ISSN: 0925-4773.
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      PubMed ID: 11688556
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                                   ***semaphorin***
                                                         3C leads to persistent truncus
      arteriosus and aortic arch interruption.
      Feiner L; Webber A L; Brown C B; Lu M M; Jia L; Feinstein P; Mombaerts P;
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     Department of Neuroscience, University of Pennsylvania School of Medicine,
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      Philadelphia 19104, USA.
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      F32AR08584 (NIAMS)
     HL61475 (NHLBI)
HL62974 (NHLBI)
     RO1 NS38548 (NINDS)
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T.T.
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                                                                      unc-33-11ke
      phosphoprotein 6/ ***collapsin***
                                                   response mediator protein 5
      (Ulip6/CRMP5): coexistence with Ulip2/CRMP2 in Sema3a- sensitive
      oligodendrocytes.
      Ricard D; Rogemond V; Charrier E; Aguera M; Bagnard D; Belin M F; Thomasset N; Honnorat J
Institut National de la Sante et de la Recherche Medicale U 433,
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      2001354621
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      PubMed ID: 11254688
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      Boumsell L
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      Institut National de la Sante et de la Recherche Medicale, Unite 448,
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      2001233738
DN
      PubMed ID: 11232240
      Prevention of nuclear localization of activated caspases correlates with inhibition of apoptosis.
TI
      Fankhauser C; Friedlander R M; Gagliardini V
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      Brain Research Institute, Department of Neuromorphology, University of
      Zurich, ETH Zurich, Winterthurerstrasse 190, 8057 Zurich, Switzerland.
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L4
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      New molecules for hippocampal development. Skutella T; Nitsch R
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      Neuroscience Research Center and Institute for Anatomy, Department of Cell and Neurobiology Humboldt University Hospital (Charite), Schumannstr. 20/21, 10117 Berlin, Germany.
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      Journal code: 7808616. ISSN: 0166-2236.
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      England: United Kingdom
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      2001142580
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     PubMed ID: 11085871
TI
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                                      ***collapsin***
                                                          response mediator proteins
     (CRMP/ULIP) in subsets of oligodendrocytes in the postnatal rodent brain. Ricard D; Stankoff B; Bagnard D; Aguera M; Rogemond V; Antoine J C;
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     INSERM U433 Hopital Neurologique, Lyon, France.
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SO
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                              MEDLINE on STN
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     2001069439
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     PubMed ID: 10996153
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ΤI
     Expression of mRNA for axon quidance molecules, such as
                                                                      ***semaphorin***
                                               ***human***
     -III, netrins and neurotrophins, in
                                                               osteoblasts and
     osteoclasts.
     Togari A; Mogi M; Arai M; Yamamoto S; Koshihara Y
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     Department of Pharmacology, School of Dentistry, Aichi-Gakuin University,
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     Nagoya 464-8650, Japan. togariaf@dpc.aichi-gakuin.ac.jp
Brain research, (2000 Sep 29) 878 (1-2) 204-9.
SO
     Journal code: 0045503. ISSN: 0006-8993.
CY
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     Journal; Article; (JOURNAL ARTICLE)
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     2001016690
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     PubMed ID: 10875745
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TI
     Functions of
                      ***semaphorins***
                                            in axon quidance and neuronal
     regeneration.
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     Department of Pharmacology, Yokohama City University School of Medicine,
     Yokohama, Japan.
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SO
     Journal code: 2983305R. ISSN: 0021-5198.
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     Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
DT
      (REVIEW, TUTORIAL)
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     ANSWER 197 OF 441
L4
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AN
     2000420881
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DN
     PubMed ID: 10818093
ΤI
     Phosphorylation of
                             ***collapsin***
                                                 response mediator protein-2 by
     Rho-kinase. Evidence for two separate signaling pathways for growth cone
     collapse.
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     Arimura N; Inagaki N; Chihara K; Menager C; Nakamura N; Amano M; Iwamatsu
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      Division of Signal Transduction, Nara Institute of Science and Technology,
     8916-5 Takayama, Ikoma 630-0101, Japan.
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DT
      Journal; Article; (JOURNAL ARTICLE)
LA
      English
FS
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      200009
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      Entered Medline: 20000907
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      2000400949
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      PubMed ID: 10781943
DN
TI
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                ***semaphorin***
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                                      3A.
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Molecular Neurogenetics Laboratory, Department of Neurochemistry,
ΑU
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     Max-Planck-Institute for Brain Research, Deutschordenstrasse 46, D-60528,
      Frankfurt, Germany.
SO
     Mechanisms of development, (2000 May) 93 (1-2) 95-104.
     Journal code: 9101218. ISSN: 0925-4773.
CY
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DT
     Journal; Article; (JOURNAL ARTICLE)
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     2000309729
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     PubMed ID: 10770920
DN
                        ***collapsin***
TI
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                                             response mediator protein-2 is involved
      in the dynamics of microtubules.
AU
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     Department of Neuropathology, Faculty of Medicine, University of Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan.
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     Journal of biological chemistry, (2000 Jun 16) 275 (24) 17917-20.
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     Journal code: 2985121R. ISSN: 0021-9258.
CY
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     PubMed ID: 10843805
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     chromosome 5.
      Tarantino L M; Feiner L; Alavizadeh A; Wiltshire T; Hurle B; Ornitz D M;
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     Webber A L; Raper J; Lengeling A; Rowe L B; Bucan M
Center for Neurobiology and Behavior, Department of Neuroscience,
Department of Genetics, University of Pennsylvania, 111 CRB, 415 Curie
CS
     Boulevard, Philadelphia, Pensylvania.
NC
     DC02236 (NIDCD)
     RO1HD28410 (NICHD)
     RO1NS38548 (NINDS)
SO
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      United States
DT
      Journal; Article; (JOURNAL ARTICLE)
LΑ
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FS
     Priority Journals
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ANSWER 201 OF 441
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                                                                                response mediator
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LА
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L4
       ANSWER 202 OF 441
                                     MEDLINE on STN
AN
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       PubMed ID: 10702410
       ***Semaphorin*** SEMA3F localization in malignant ***human*** and cell lines: A suggested role in cell adhesion and cell migration.
TI
                                                                                                      lung
ΑU
       Brambilla E; Constantin B; Drabkin H; Roche J
CS
       Laboratoire de Pathologie Cellulaire, INSERM EMI 9924, CHRU Grenoble,
       Grenoble, France. CA5187-07 (NCI)
NC
       P30 CA 46934 (NCI)
SO
       American journal of pathology, (2000 Mar) 156 (3) 939-50.
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CY
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DT
       Journal; Article; (JOURNAL ARTICLE)
LΑ
       English
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AN
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                           MEDLINE
DN
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TI
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       in schizophrenia.
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SO
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       ENGLAND: United Kingdom
DT
       Journal; Article; (JOURNAL ARTICLE)
LΑ
       English
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      Entered Medline: 20000317
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                                    MEDLINE on STN
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       2000139604
DN
       PubMed ID: 10673323
TI
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       formation.
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       Steup A; Lohrum M; Hamscho N; Savaskan N E; Ninnemann O; Nitsch R;
       Fujisawa H; Puschel A W; Skutella T
      Institute of Anatomy, Department of Cell- and Neurobiology, Humboldt University Hospital, Charite, Berlin, 10098, Germany.

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SO
       Journal code: 9100095. ISSN: 1044-7431.
CY
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DT
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      2000131326
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      PubMed ID: 10666674
TI
     Expression of the dihydropyrimidinase related protein 2 (DRP-2) in Down
      syndrome and Alzheimer's disease brain is downregulated at the mRNA and
      dysregulated at the protein level.
ΑU
     Lubec G; Nonaka M; Krapfenbauer K; Gratzer M; Cairns N; Fountoulakis M
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     Department of Pediatrics, University of Vienna, Austria..
     gert.lubec@akhwien.ac.at
SO
      Journal of neural transmission. Supplementum, (1999) 57 161-77.
     Journal code: 0425126. ISSN: 0303-6995.
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     Journal; Article; (JOURNAL ARTICLE)
LA
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     2000115698
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     PubMed ID: 10648708
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ΤI
     Spatial distributions of guidance molecules regulate chemorepulsion and
     chemoattraction of growth cones.
     Bagnard D; Thomasset N; Lohrum M; Puschel A W; Bolz J
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     Institut National de la Sante et de la Recherche Medicale (INSERM) Unite
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     2000060966
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     PubMed ID: 10595517
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ΤI
     Cypin: a cytosolic regulator of PSD-95 postsynaptic targeting.
     Firestein B L; Firestein B L; Brenman J E; Aoki C; Sanchez-Perez A M; El-Husseini A E; Bredt D S
ΑU
CS
     Department of Physiology, University of California, San Francisco 94143,
     USĀ.
     R01-EY08055 (NEI)
R01-NS36017 (NINDS)
NC
SO
     Neuron, (1999 Nov) 24 (3) 659-72.
     Journal code: 8809320. ISSN: 0896-6273.
CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
LΑ
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     Priority Journals
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     Entered STN: 20000114
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L4
     ANSWER 208 OF 441
                               MEDLINE on STN
AN
     2000007487
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DN
     PubMed ID: 10541474
ΤĮ
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Graduate School for Neurosciences Amsterdam, Netherlands Institute for
ΑU
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Brain Research.

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Journal code: 9216789. ISSN: 0145-5680.
CY
     Journal; Article; (JOURNAL ARTICLE)
DT
     General Review; (REVIEW)
      (REVIEW, TUTORIAL)
     English
LΑ
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     Entered Medline: 20000131
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L4
                               MEDLINE on STN
     1999434166
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AN
DN
     PubMed ID: 10504203
     A family of proteins implicated in axon guidance and outgrowth.
TI
AU
     Quinn C C; Gray G E; Hockfield S
CS
     Section of Neurobiology, Yale University School of Medicine, Cedar Street,
     SHM C-405, New Haven, Connecticut 06520-8001, USA.
     P01 NS22807 (NINDS)
NC
     T32NS207224 (NINDS)
     Journal of neurobiology, (1999 Oct) 41 (1) 158-64. Ref: 37
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     Journal code: 0213640. ISSN: 0022-3034.
CY
     United States
     Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
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      (REVIEW, TUTORIAL)
LΑ
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     Entered Medline: 19991110
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L4
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AN
     1999410769
                       MEDLINE
     PubMed ID: 10479689
DN
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                                                                    ***semaphorins***
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ΑU
     Renzi M J; Feiner L; Koppel A M; Raper J A
     Department of Neurosciences, University of Pennsylvania School of
CS
     Medicine, Philadelphia, Pennsylvania 19104-6074, USA. RO1-NS-26527 (NINDS)
NC
     T32HD07516 (NICHD)
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Journal code: 8102140. ISSN: 1529-2401.
SO
CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
LА
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FS
     Priority Journals
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     199910
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AN
     1999408917
                       MEDLINE
DN
     PubMed ID: 10477871
                             ***semaphorin***
TI
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                                                   E gene expression in metastatic
        ***human***
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     Martin-Satue M; Blanco J
ΑU
     Departament de Biologia Cel.lular, Institut de Recerca Oncologica,
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CY
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     Journal; Article; (JOURNAL ARTICLE)
DT
LΑ
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ANSWER 212 OF 441
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DN
       Endothelial growth factor receptors in
                                                                  ***human***
                                                                                       fetal heart.
ΤI
       Partanen T A; Makinen T; Arola J; Suda T; Weich H A; Alitalo K
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      Molecular/Cancer Biology Laboratory, Department of Pathology, Haartman Institute, University of Helsinki, Finland. Circulation, (1999 Aug 10) 100 (6) 583-6.
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       Journal code: 0147763. ISSN: 1524-4539.
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       United States
       Journal; Article; (JOURNAL ARTICLE)
DT
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AN
       1999357582
       PubMed ID: 10430503
DN
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                                                                                H messenger RNA acting
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DT
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LΑ
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       Priority Journals GENBANK-AF034744
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AN
       1999350217
       PubMed ID: 10419684
DN
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Shepherd I T; Raper J A
Department of Neurosciences, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania, 19104, USA.. iain@u.washington.edu
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       1999340059
                             MEDLINE
       PubMed ID: 10409677
DN
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TT
       Makinen T; Olofsson B; Karpanen T; Hellman U; Soker S; Klagsbrun M;
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       Eriksson U; Alitalo K
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       Journal code: 2985121R. ISSN: 0021-9258.
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       Journal; Article; (JOURNAL ARTICLE)
LA
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Entered Medline: 19990826
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     PubMed ID: 10402473
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     Neuropilin-1 mediates
ΤI
     ***collapsin*** -1 and vascular endothelial growth factor-165.
Miao H Q; Soker S; Feiner L; Alonso J L; Raper J A; Klagsbrun M
ΑU
     Department of Surgical Research, Children's Hospital and Harvard Medical
CS
     School, Boston, Massachusetts 02115, USA.
               (NCI)
NC
     CA37392
     CA45548
     NS26527 (NINDS)
     Journal of cell biology, (1999 Jul 12)
Journal code: 0375356. ISSN: 0021-9525.
SO
                                 (1999 Jul 12) 146 (1) 233-42.
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     United States
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     PubMed ID: 10367884
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     Unified nomenclature for the
TI
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                            Nomenclature Committee.
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     Anonymous
     Cell, (1999 May 28) 97 (5) 551-2.
SO
     Journal code: 0413066. ISSN: 0092-8674.
CY
     United States
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      199906
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AN
     1999212279
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     PubMed ID: 10196546
        ***Semaphorins***
                              A and E act as antagonists of neuropilin-1 and
ΤI
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     Comment in: Nat Neurosci. 1998 Oct; 1(6): 436-9. PubMed ID: 10196539
CM
     Takahashi T; Nakamura F; Jin Z; Kalb R G; Strittmatter S M
ΑU
     Department of Neurology, Yale University School of Medicine, New Haven,
CS
      Connecticut 06520, USA
     Nature neuroscience, (1998 Oct) 1 (6) 487-93.
Journal code: 9809671. ISSN: 1097-6256.
SO
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      Entered Medline: 19990429
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      1999090943
      PubMed ID: 9875739
DN
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                                                                              homologous
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      Eckhardt F; Meyerhans A
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      Institute of Medical Microbiology and Hygiene, Department of Virology,
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      University of the Saarland, Homburg, Germany.
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      Journal code: 9100935. ISSN: 0959-4965.
CY
      ENGLAND: United Kingdom
      Journal; Article; (JOURNAL ARTICLE)
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Priority Journals
GENBANK-AF080090; GENBANK-AF080091
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      Entered Medline: 19990324
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                                   MEDLINE on STN
      1999030285
                          MEDLINE
ΑN
DN
      PubMed ID: 9811588
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Bagnard D; Lohrum M; Uziel D; Puschel A W; Bolz J
INSERM Unite 371 'Cerveau et Vision', 69500 Bron, France.
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      ENGLAND: United Kingdom
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LΑ
      English
      Priority Journals
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      PubMed ID: 9624167
DN
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                               -1 covalently dimerizes, and dimerization is necessary
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ΑU
      Koppel A M; Raper J A
      Department of Neuroscience, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania 19104, USA.
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Journal code: 2985121R. ISSN: 0021-9258.
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CY
      United States
      Journal; Article; (JOURNAL ARTICLE)
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EM
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L4
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      1998229815
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      PubMed ID: 9568393
DN
ΤI
      Axon guidance to and from choice points.
AU
      Cook G; Tannahill D; Keynes R
      Department of Anatomy, University of Cambridge, UK.
Current opinion in neurobiology, (1998 Feb) 8 (1) 64-72.
CS
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SO
CY
      ENGLAND: United Kingdom
      Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
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      1998223649
      PubMed ID: 9555025
DN
      Isolation and characterization of a bovine neural specific protein
TΙ
       (CRMP-2) cDNA homologous to unc-33, a C. elegans gene implicated in axonal
      outgrowth and guidance.
      Kamata T; Subleski M; Hara Y; Yuhki N; Kung H; Copeland N G; Jenkins N A; Yoshimura T; Modi W; Copeland T D
ΑU
      SAIC/Frederick, IRSP, National Cancer Institute (NCI)-FCRDC, Frederick, MD
CS
      21702, USA.
      Brain research. Molecular brain research, (1998 Mar 1) 54 (2) 219-36.
SO
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Journal code: 8908640. ISSN: 0169-328X.

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Journal; Article; (JOURNAL ARTICLE)
D.I.
LΑ
      English
FS
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      199807
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      Entered STN: 19980731
      Last Updated on STN: 19980731
      Entered Medline: 19980717
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                         MEDLINE
      PubMed ID: 9556027
Anatomical distribution of the chemorepellent
DN
\mathtt{TI}
                                                                  ***semaphorin***
                                                                                           III/
      ***collapsin*** -1 in the adult rat and ***human*** brain: predominant expression in structures of the olfactory-hippocampal pathway
      and the motor system.
AU
      Giger R J; Pasterkamp R J; Heijnen S; Holtmaat A J; Verhaagen J
CS
      Graduate School of Neurosciences, Netherlands Institute for Brain
      Research, Amsterdam.
SO
      Journal of neuroscience research, (1998 Apr 1) 52 (1) 27-42.
      Journal code: 7600111. ISSN: 0360-4012.
CY
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      199805
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AN
      1998212010
      PubMed ID: 9545313
DN
      ***Collapsin*** response mediator protein-2 is associated with neurofibrillary tangles in Alzheimer's disease.
Yoshida H; Watanabe A; Ihara Y
TI
AU
      Department of Neuropathology, Faculty of Medicine, University of Tokyo 113-0033, Tokyo, Japan.
CS
      Journal of biological chemistry, (1998 Apr 17) 273 (16) 9761-8.
SO
      Journal code: 2985121R. ISSN: 0021-9258.
CY
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      1998188099
DN
      PubMed ID: 9529250
      Neuropilin-1 is expressed by endothelial and tumor cells as an isoform-specific receptor for vascular endothelial growth factor. Soker S; Takashima S; Miao H Q; Neufeld G; Klagsbrun M
TI
ΑU
      Department of Surgery, Children's Hospital, Harvard Medical School, Boston, Massachusetts 02115, USA.
CS
NC
      CA37392 (NCI)
      CA45548 (NCI)
      Cell, (1998 Mar 20) 92 (6) 735-45.
Journal code: 0413066. ISSN: 0092-8674.
SO
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GENBANK-AF016050; GENBANK-AF016098
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AN
      1998144979
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      PubMed ID: 9483985
DN
      Regulation of growth cone motility by the repulsive factor
***collapsin*** / ***semaphorin*** : a role of ***collapsin***
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ΑU
      Gosnima Y
CS
      Department of Pharmacology, Yokohama City University School of Medicine.
SO
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      1389-92. Ref: 17
      Journal code: 0413564. ISSN: 0037-1017.
CY
      Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
DT
      (REVIEW, TUTORIAL)
LA
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FS
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EM
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L4
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                                MEDLINE on STN
AN
      1998087397
                       MEDLINE
      PubMed ID: 9427525
DN
     Molecular cloning of a novel member of
TI
                                                       ***semaphorin*** family genes,
        ***semaphorin***
                               Ζ.
ΑU
      Kikuchi K; Ishida H; Kimura T
     Sumitomo Pharmaceuticals Research Center, Osaka, Japan.
Brain research. Molecular brain research, (1997 Nov) 51 (1-2) 229-37.
CS
SO
      Journal code: 8908640. ISSN: 0169-328X.
CY
     Netherlands
DT
     Journal; Article; (JOURNAL ARTICLE)
      Enqlish
LΑ
FS
      Priority Journals
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      GENBANK-AB000776
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      PubMed ID: 9405678
DN
TI
                             ***semaphorin***
      Identification of
                                                    E as a non-MDR drug resistance gene
            ***human***
      οf
                            cancers.
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     Pathology Division, National Cancer Center Research Institute, 1-1 Tsukiji 5-chome, Chuo-ku, Tokyo 104, Japan.
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SO
      Journal code: 7505876. ISSN: 0027-8424.
CY
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DT
      Journal; Article; (JOURNAL ARTICLE)
LΑ
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L4
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AN
      1998041504
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      PubMed ID: 9375656
DN
     Brain CRMP forms heterotetramers similar to liver dihydropyrimidinase.
TI
ΑU
     Wang L H; Strittmatter S M
     Department of Neurology, Yale University School of Medicine, New Haven,
CS
      Connecticut 06250, USA.

Journal of neurochemistry, (1997 Dec) 69 (6) 2261-9.
SO
      Journal code: 2985190R. ISSN: 0022-3042.
CY
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DT
      Journal; Article; (JOURNAL ARTICLE)
LΑ
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EM
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DΝ
     PubMed ID: 9334408
                    ***collapsin*** -1 in olfactory and cranial sensory axon
TI
     A role for
     guidance.
ΑU
     Kobayashi H; Koppel A M; Luo Y; Raper J A
CS
     Department of Neuroscience, University of Pennsylvania School of Medicine,
     Philadelphia, Pennsylvania 19104, USA.
     Journal of neuroscience: official journal of the Society for Neuroscience, (1997 Nov 1) 17 (21) 8339-52.
SO
     Journal code: 8102140. ISSN: 0270-6474.
CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
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AN
     97433084
     PubMed ID: 9288753
DN
     Neuropilin is a receptor for the axonal chemorepellent
                                                                     ***Semaphorin***
TI
     III.
ΑU
     He Z; Tessier-Lavigne M
     Howard Hughes Medical Institute, Department of Anatomy, University of
CS
     California, San Francisco 94143-0452, USA.
Cell, (1997 Aug 22) 90 (4) 739-51.
SO
     Journal code: 0413066. ISSN: 0092-8674.
CY
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     96424532
     PubMed ID: 8815901
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ΤI
     A family of rat CRMP genes is differentially expressed in the nervous
     Wang L H; Strittmatter S M
Department of Neurology, Yale University School of Medicine, New Haven,
ΑU
CS
     Connecticut 06510, USA.
SO
     Journal of neuroscience : official journal of the Society for
     Neuroscience, (1996 Oct 1) 16 (19) 6197-207.
     Journal code: 8102140. ISSN: 0270-6474.
CY
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     PubMed ID: 8786119
                           ***human***
TI
                                             ***semaphorin***
                                                                   III/F gene (SEMA3F)
     Isolation of the
     at chromosome 3p21, a region deleted in lung cancer.
Xiang R H; Hensel C H; Garcia D K; Carlson H C; Kok K; Daly M C; Kerbacher
ΑU
     K; van den Berg A; Veldhuis P; Buys C H; Naylor S L
Department of Cellular & Structural Biology, University of Texas Health
CS
     Sclence Center at San Antonio 78284-7762, USA.
NC
     CA 54174
                (NCI)
     CA 56626
                (NCI)
     HG 00470 (NHGRI)
SO
     Genomics, (1996 Feb 15) 32 (1) 39-48
     Journal code: 8800135. ISSN: 0888-7543.
CY
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     96210603
                   MEDLINE
     PubMed ID: 8633026
DИ
ΤI
        ***Human***
                         ***semaphorins***
                                               A(V) and IV reside in the 3p21.3
     small cell lung cancer deletion region and demonstrate distinct expression
     Sekido Y; Bader S; Latif F; Chen J Y; Duh F M; Wei M H; Albanesi J P; Lee C C; Lerman M I; Minna J D
ΑU
     Hamon Center for Therapeutic Oncology Research, University of Texas
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     Southwestern Medical Center, Dallas 75235, USA.
NC
     P20 CA58220 (NCI)
     Proceedings of the National Academy of Sciences of the United States of
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     America, (1996 Apr 30) 93 (9) 4120-5.
     Journal code: 7505876. ISSN: 0027-8424.
CY
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DT
     Journal; Article; (JOURNAL ARTICLE)
LΑ
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FS
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     GENBANK-U28369; GENBANK-U32171; GENBANK-U32172
OS
EM
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ED
     Entered STN: 19960715
     Last Updated on STN: 19980206
     Entered Medline: 19960701
L4
     ANSWER 236 OF 441
                             MEDLINE on STN
AN
     95267432
                   MEDLINE
     PubMed ID: 7748562
DN
        ***Semaphorin***
TI
                             III can function as a selective chemorepellent to
     pattern sensory projections in the spinal cord.
Messersmith E K; Leonardo E D; Shatz C J; Tessier-Lavigne M; Goodman C S;
AU
     Kolodkin A L
CS
     Howard Hughes Medical Institute, Department of Molecular and Cell Biology,
     University of California, Berkeley 94720, USA.
     GM07618 (NIGMS)
NC
              (NICHD)
     HD21294
     Neuron, (1995 May) 14 (5) 949-59.
Journal code: 8809320. ISSN: 0896-6273.
SO
     Neuron,
CY
     United States
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     Journal; Article; (JOURNAL ARTICLE)
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     English
FS
     Priority Journals
OS
     GENBANK-L40484
     199506
EM
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ED
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     Entered Medline: 19950621
     ANSWER 237 OF 441
L4
                             MEDLINE on STN
     94094332
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     PubMed ID: 8269517
DN
            ***semaphorin***
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                                 genes encode a family of transmembrane and
     secreted growth cone guidance molecules.
UΑ
     Kolodkin Ā L; Matthes D J; Goodman C S
     Howard Hughes Medical Institute, Department of Molecular and Cell Biology, University of California, Berkeley 94720.
NS 18366 (NINDS)
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            (1993 Dec 31) 75 (7) 1389-99
     Journal code: 0413066. ISSN: 0092-8674.
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     GENBANK-L20888; GENBANK-L20889; GENBANK-L26080; GENBANK-L26081;
OS
     GENBANK-L26082; GENBANK-L26083; GENBANK-L33709; GENBANK-S60904;
     GENBANK-S60905; GENBANK-S60924
EM
     199401
ED
     Entered STN: 19940215
     Last Updated on STN: 19950206
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ANSWER 238 OF 441 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS L4RESERVED. on STN AN2004-0042366 PASCAL CP Copyright .COPYRGT. 2004 INIST-CNRS. All rights reserved. TIEN Expression and regulation of the novel vascular endothelial growth factor receptor neuropilin-1 by epidermal growth factor in ***human*** pancreatic carcinoma ΑU PARIKH Alexander A.; WEN BIAO LIU; FAN FAN; STOELTZING Oliver; REINMUTH Niels; BRUNS Christiane J.; BUCANA Corazon D.; EVANS Douglas B.; ELLIS Department of Surgical Oncology, The University of Texas M. D. Anderson Cancer Center, Houston, Texas, United States; Department of Cancer Biology, The University of Texas M. D. Anderson Cancer Center, Houston, Texas, United States
Cancer, (2003), 98(4), 720-729, 39 refs. CS SO ISSN: 0008-543X CODEN: CANCAR DT Journal BLAnalytic CY United States LA English INIST-2701, 354000112692800080 ΑV ANSWER 239 OF 441 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS L4RESERVED. on STN 2000-0159261 ANPASCAL Copyright .COPYRGT. 2000 INIST-CNRS. All rights reserved. ***Semaphorin*** SEMA3F localization in malignant * CP ***human*** TIEN lung and cell lines : A suggested role in cell adhesion and cell migration BRAMBILLA E.; CONSTANTIN B.; DRABKIN H.; ROCHE J.
Laboratoire de Pathologie Cellulaire, INSERM EMI 9924, CHRU Grenoble,
Grenoble, France; Laboratoire de Physiologie Generale, UMR CNRS 6558,
Universite de Poitiers, Poitiers, France; Division of Medical Oncology,
University of Colorado Health Sciences Center, Denver, Colorado, United
States; IBMIG, ESA CNRS 6031, Universite de Poitiers, Poitiers, France
The American journal of pathology, (2000), 156(3), 939-950, 63 refs.
ISSN: 0002-9440 CODEN: AJPAA4 ΑU CS SO DT Journal BLAnalytic CYUnited States LΑ English ΑV INIST-2047, 354000082238030240 L4ANSWER 240 OF 441 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS RESERVED. on STN AN1999-0460576 PASCAL 1999-0460576 PASCAL
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Endothelial growth factor receptors in ***human*** fetal heart
PARTANEN T. A.; MAKINEN T.; AROLA J.; SUDA T.; WEICH H. A.; ALITALO K.
Molecular/Cancer Biology Laboratory, Haartman Institute, University of
Helsinki, Finland; Department of Pathology Haartman Institute, University
of Helsinki, Finland; Department of Cell Differentiation, IMEG, Kumamoto
University School of Medicine, Japan; Department of Gene Regulation and
Differentiation, Division of Molecular Biotechnology, National Research
Center for Biotechnology (GBF, Germany, Federal Republic of
Circulation: (New York), (1999), 100(6), 583-586, 20 refs.
ISSN: 0009-7322 CODEN: CIRCAZ CP TIEN AU CS SO ISSN: 0009-7322 CODEN: CIRCAZ Journal; Short communication DT BLAnalytic CY United States LAEnglish ΑV INIST-5907, 354000089443820030 L4ANSWER 241 OF 441 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS RESERVED. on STN ΑN 1999-0258856 PASCAL Copyright . COPYRGT. 1999 INIST-CNRS. All rights reserved. CP TIEN Cloning and expression pattern of a murine ***semaphorin*** homologous to H-sema IV ECKHARDT F.; MEYERHANS A.
Institute of Medical Microbiology and Hygiene, Department of Virology,
University of the Saarland, 66421, Homburg, Germany, Federal Republic of
Neuroreport: (Oxford), (1998), 9(17), 3975-3979, 26 refs. ΑU CS SO ISSN: 0959-4965

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United Kingdom
ВL
CY
LΑ
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ΑV
         INIST-22534, 354000084356210380
L4
        ANSWER 242 OF 441
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AN
         1996-0143945
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        Copyright .COPYRGT. 1996 INIST-CNRS. All rights reserved. Isolation of the ***human*** ***semaphorin*** III
CP
TIEN
                                                                                    III/F gene (SEMA3F)
        at chromosome 3p21, a region deleted in lung cancer RUI-XUA XIANG; HENSEL C. H.; GARCIA D. K.; CARLSON H. C.; KOK K.; DALY M. C.; KERBACHER K.; VAN DEN BERG A.; VELDHUIS P.; BUYS C. H. C. M.; NAYLOR S. L.
ΑU
        Univ. Texas health sci. cent. San Antonio, dep. cellular structural biology, San Antonio TX 78284-7762, United States Genomics: (San Diego, CA), (1996), 32(1), 39-48, 34 refs.
CS
SO
         ISSN: 0888-7543
DT
        Journal
\mathtt{BL}
        Analytic
CY
        United States
LΑ
        English
ΑV
        INIST-21389, 354000053022950050
L4
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                                 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
       2003:688740
AN
                        SCISEARCH
       The Genuine Article (R) Number: 708JA
GΑ
       Expression and regulation of the novel vascular endothelial growth factor
TI
       receptor neuropilin-1 by epidermal growth factor in
                                                                                 ***human***
       pancreatic carcinoma
Parikh A A; Liu W B; Fan F; Stoeltzing O; Reinmuth N; Bruns C J; Bucana C D; Evans D B; Ellis L M (Reprint)
ΑU
      Univ Texas, MD Anderson Canc Ctr, Dept Surg Oncol, Box 444, 1515 Holcombe Blvd, Houston, TX 77030 USA (Reprint); Univ Texas, MD Anderson Canc Ctr, Dept Surg Oncol, Houston, TX 77030 USA; Univ Texas, MD Anderson Canc Ctr, Dept Canc Biol, Houston, TX 77030 USA
CS
CYA
       CANCER, (15 AUG 2003) Vol. 98, No. 4, pp. 720-729.
Publisher: JOHN WILEY & SONS INC, 111 RIVER ST, HOBOKEN, NJ 07030 USA.
SO
       ISSN: 0008-543X.
DT
       Article; Journal
LΑ
       English
       Reference Count: 39
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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       ANSWER 244 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
ΑN
       2003:193518
                        SCISEARCH
       The Genuine Article (R) Number: 648BA
GA
ΤI
          ***Collapsin***
                                  response mediator protein-1: A novel
       invasion-suppressor gene
Shih J Y; Lee Y C G; Yang S C; Hong T M; Huang C Y F; Yang P C (Reprint)
ΑU
      Natl Taiwan Univ Hosp, Dept Internal Med, 7 Chung Shan S Rd, Taipel 100, Taiwan (Reprint); Natl Taiwan Univ Hosp, Dept Internal Med, Taipei 100,
CS
      Taiwan; Natl Hlth Res Inst, Taipei, Taiwan; Acad Sinica, Inst Blomed Sci, Taipei, Taiwan
CYA
       Taiwan
SO
       CLINICAL & EXPERIMENTAL METASTASIS, (7 FEB 2003) Vol. 20, No. 1, pp.
       Publisher: KLUWER ACADEMIC PUBL, VAN GODEWIJCKSTRAAT 30, 3311 GZ
      DORDRECHT, NETHERLANDS.
       ISSN: 0262-0898.
DT
      Article; Journal
LΑ
      English
REC
      Reference Count: 87
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 245 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
AN
                      SCISEARCH
       2003:56332
      The Genuine Article (R) Number: 629AU
GA
ΤI
                ***semaphorin***
                                          3A antibodies rescue retinal ganglion cells from
      cell death following optic nerve axotomy
Shirvan A (Reprint); Kimron M; Holdengreber V; Ziv I; Ben-Shaul Y; Melamed
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NST Ltd, 5 Odem St, IL-49170 Petah Tiqwa, Israel (Reprint); Rabin Med Ctr,

Dept Neurol, IL-49100 Petah Tiqwa, Israel; Rabin Med Ctr, Felsenstein Med

AU

CS

S; Melamed E; Barzilai A; Solomon A S

Tiqwa, Israel; Tel Aviv Univ, George S Wise Fac Lire Sci, Dept Neurobiochem, IL-69978 Tel Aviv, Israel; Tel Aviv Univ, Dept Cell Res & Immunol, IL-69978 Tel Aviv, Israel; Tel Aviv Univ, San Rothberg Glaucoma Ctr, Goldschleger Eye Res Inst, IL-69978 Tel Aviv, Israel

CYA Israel

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (20 DEC 2002) Vol. 277, No. 51, pp. 49799-49807. Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.

ISSN: 0021-9258.

DTArticle; Journal

LΑ English

REC Reference Count: 69 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*

L4ANSWER 246 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

AN2002:791945 SCISEARCH

GA The Genuine Article (R) Number: 595PB

Identification, characterization, and functional study of the two novel
human members of the ***semaphorin*** gene family ΤI

Qu X H; Wei H D; Zhai Y; Que H P; Chen Q; Tang F; Wu Y; Xing G C; Zhu Y P; Liu S J; Fan M; He F C (Reprint) ΑU

Chinese Natl Human Genome Ctr, Beijing Inst Radiat Med, Dept Genom & Proteom, 27 Taiping Rd, Beijing 100850, Peoples R China (Reprint); Chinese Natl Human Genome Ctr, Beijing Inst Radiat Med, Dept Genom & Proteom, CS Beijing 100850, Peoples R Čhina; Beijing Inst Basic Med Sci, Dept Neurosci, Beijing 100850, Peoples R China

Peoples R China CYA

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (20 SEP 2002) Vol. 277, No. 38, pp. 35574-35585. Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA. ISSN: 0021-9258

Article; Journal DT

LΑ English

- REC Reference Count: 31 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
- L4ANSWER 247 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

SCISEARCH AN2001:770891

GΑ The Genuine Article (R) Number: 473GZ

Collapsin TI response mediator protein-1 and the invasion and metastasis of cancer cells

Shih J Y; Yang S C; Hong T M; Yuan A; Chen J J W; Yu C J; Chang Y L; Lee Y C; Peck K; Wu C W; Yang P C (Reprint) ΑU

CS

Natl Taiwan Univ Hosp, Dept Internal Med, 7 Chung Shan S Rd, Taipei 100, Taiwan (Reprint); Natl Taiwan Univ Hosp, Dept Internal Med, Taipei 100, Taiwan; Natl Taiwan Univ Hosp, Dept Emergency Med, Taipei 100, Taiwan; Natl Taiwan Univ Hosp, Dept Clin Res, Taipei 100, Taiwan; Natl Taiwan Univ Hosp, Dept Clin Res, Taipei 100, Taiwan; Natl Taiwan Univ Hosp, Dept Surg, Taipei 100, Taiwan; Acad Sinica, Inst Biomed Sci, Taipei, Taiwan; Natl Hlth Res Inst, Taipei, Taiwan

CYA Taiwan

SO JOURNAL OF THE NATIONAL CANCER INSTITUTE, (19 SEP 2001) Vol. 93, No. 18, pp. 1392-1400. Publisher: NATL CANCER INSTITUTE, 9030 OLD GEORGETOWN RD, BETHESDA, MD 20814 USA. ISSN: 0027-8874.

DTArticle; Journal

LΑ English

- REC Reference Count: 58 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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SCISEARCH ΑN 2001:750582

The Genuine Article (R) Number: 471HM GA

TI Isolation and expression pattern of ***human*** Unc-33-like phosphoprotein 6/ ***collapsin*** response mediator protein 5 (Ulip6/CRMP5): Coexistence with Ulip2/CRMP2 in Sema3A-sensitive oligodendrocytes

ΑU Ricard D; Rogemond V; Charrier E; Aguera M; Bagnard D; Belin M F;

Thomasset N; Honnorat J (Reprint)
Hop Neurol, 59 Blvd Pinel, BP Lyon Montchat, F-69394 Lyon 03, France (Reprint); Hop Neurol, Inst Federatif Neurosci, INSERM, U433, F-69003 CS Lyon, France

SU JOURNAL OF NEUROSCIENCE, (15 SEP 2001) VOI. 21, NO. 18, pp. 7203-7214. Publisher: SOC NEUROSCIENCE, 11 DUPONT CIRCLE, NW, STE 500, WASHINGTON, DC 20036 USA. ISSN: 0270-6474. DTArticle; Journal English LAREC Reference Count: 57 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* L4ANSWER 249 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN AN2000:929942 SCISEARCH GΑ The Genuine Article (R) Number: 379AL Molecular characterization of CRMP5, a novel member of the TI***collapsin*** response mediator protein family AU Fukada M; Watakabe I; YuasaKawada J; Kawachi H; Kuroiwa A; Matsuda Y; Noda M (Reprint) NATL INST BASIC BIOL, DIV MOL NEUROBIOL, 38 NISHIGONAKA, OKAZAKI, AICHI CS 4448585, JAPAN (Reprint); NATL INST BASIC BIOL, DIV MOL NEUROBIOL, OKAZAKI, AICHI 4448585, JAPAN; GRAD UNIV ADV STUDIES, DEPT MOL BIOMECH, OKAZAKI, AICHI 4448585, JAPAN; HOKKAIDO UNIV, GRAD SCH ENVIRONM EARTH SCI, DIV BIOSCI, LAB CYTOGENET, KITA KU, SAPPORO, HOKKAIDO 060081, JAPAN; HOKKAIDO UNIV, FAC SCI, CHROMOSOME RES UNIT, SAPPORO, HOKKAIDO 060081, JAPAN CYA **JAPAN** SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1 DEC 2000) Vol. 275, No. 48, pp. 37957-37965. Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC. 9650 ROCKVILLE PIKE, BETHESDA, MD 20814. ISSN: 0021-9258. DT Article; Journal FS LIFE LA English REC Reference Count: 45 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* L4ANSWER 250 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN AN2000:466069 SCISEARCH GΑ The Genuine Article (R) Number: 325CU TI Accelerated Publication - Evidence that ***collapsin*** mediator protein-2 is involved in the dynamics of microtubules
Gu Y J; Ihara Y (Reprint)
UNIV TOKYO, FAC MED, DEPT NEUROPATHOL, BUNKYO KU, HONGO 7-3-1, TOKYO
1130033, JAPAN (Reprint); UNIV TOKYO, FAC MED, DEPT NEUROPATHOL, BUNKYO
KU, TOKYO 1130033, JAPAN; JAPAN SCI & TECHNOL CORP, JSP, CREST, KAWAGUCHI ΑU CS 3320012, JAPAN CYA **JAPAN** SO JOURNAL OF BIOLOGICAL CHEMISTRY, (16 JUN 2000) Vol. 275, No. 24, pp. 17917-17920. Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814. ISSN: 0021-9258. DT Article; Journal FS LIFE LA English REC Reference Count: 18 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* ANSWER 251 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN L42000:201021 SCISEARCH ANGA The Genuine Article (R) Number: 290XF TI ***Semaphorin*** SEMA3F localization in malignant ***human*** lung and cell lines - A suggested role in cell adhesion and cell migration
Brambilla E; Constantin B; Drabkin H; Roche J (Reprint)
UNIV POITIERS, IBMIG, ESA CNRS 6031, 40 AVE RECTEUR PINEAU, F-86022
POITIERS, FRANCE (Reprint); UNIV POITIERS, IBMIG, ESA CNRS 6031, F-86022
POITIERS, FRANCE; CHR UNIV GRENOBLE, INSERM, EMI 9924, PATHOL CELLULAIRE
LAB, GRENOBLE, FRANCE; UNIV POITIERS, LAB PHYSIOL GEN, CNRS, UMR 6558, ΑU CS F-86022 POITIERS, FRANCE; UNIV COLORADO, HLTH SCI CTR, DIV MED ONCOL, DENVER, CO 80262 FRANCE; USA CYA AMERICAN JOURNAL OF PATHOLOGY, (MAR 2000) Vol. 156, No. 3, pp. 939-950. Publisher: AMER SOC INVESTIGATIVE PATHOLOGY, INC, 428 EAST PRESTON ST, SO BALTIMORE, MD 21202-3993. ISSN: 0002-9440.

DT

Article; Journal

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LA
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REC
       Reference Count: 63
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
       ANSWER 252 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
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        1999:725749
AN
                          SCISEARCH
GA
        The Genuine Article (R) Number: 237FC
        Identification of ***semaphorin*** E gene expression in metastatic
TI
                                lung adenocarcinoma cells by mRNA differential display
          ***human***
       MartinSatue M; Blanco J (Reprint)
HOSP DURAN & REYNAIS, DEPT CELLULAR BIOL, INST RECERSA ONCOL, AUTOVIA
CASTELLDEFELS KM 2-7, BARCELONA 08907, SPAIN (Reprint); INST RECERSA
ONCOL, DEPT CELLULAR BIOL, BARCELONA, SPAIN; CSIC, BARCELONA, SPAIN
ΑU
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CYA
       JOURNAL OF SURGICAL ONCOLOGY, (SEP 1999) Vol. 72, No. 1, pp. 18-23.
SO
       Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC, 605 THIRD AVE, NEW YORK,
       NY 10158-0012.
        ISSN: 0022-4790.
DT
       Article; Journal
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       CLIN
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       English
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       Reference Count: 30
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L4
       ANSWER 253 OF 441
                                     SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
                           SCISEARCH
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        1999:630122
GΑ
       The Genuine Article (R) Number: 224RV
       Endothelial growth factor receptors in ***human*** fetal heart
Partanen T A; Makinen T; Arola J; Suda T; Weich H A; Alitalo K (Reprint)
UNIV HELSINKI, HAARTMAN INST, MOL CANC BIOL LAB, POB 21, HAARTMANINKATU 3,
FIN-00014 HELSINKI, FINLAND (Reprint); UNIV HELSINKI, HAARTMAN INST, MOL
CANC BIOL LAB, FIN-00014 HELSINKI, FINLAND; UNIV HELSINKI, HAARTMAN INST,
DEPT PATHOL, FIN-00014 HELSINKI, FINLAND; KUMAMOTO UNIV, SCH MED, DEPT
CELL DIFFERENTIAT, KUMAMOTO 860, JAPAN; NATL RES CTR BIOTECHNOL, DEPT GENE
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ΑU
CS
       REGULAT & DIFFERENT, DIV MOL BIOTECHNOL, BRAUNSCHWEIG, GERMANY
       FINLAND; JAPAN; GERMANY CIRCULATION, (10 AUG 1999) Vol. 100, No. 6, pp. 583-586. Publisher: LIPPINCOTT WILLIAMS & WILKINS, 227 EAST WASHINGTON SQ,
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       PHILADELPHIA, PA 19106.
        ISSN: 0009-7322.
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       Article; Journal
       LIFE; CLIN
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       English
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       Reference Count: 20
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L4
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\mathbf{AN}
       1999:616724
                          SCISEARCH
GA
       The Genuine Article (R) Number: 223MH
          ***Collapsin*** -1/
                                             ***semaphorin*** D is a repellent for chick
TI
       ganglion of Remak axons
Shepherd I T (Reprint); Raper J A
AU
       UNIV WASHINGTON, DEPT BIOL STRUCT, BOX 357420, SEATTLE, WA 98195 (Reprint); UNIV PENN, SCH MED, DEPT NEUROSCI, PHILADELPHIA, PA 19104
CS
CYA
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       DEVELOPMENTAL BIOLOGY, (1 AUG 1999) Vol. 212, No. 1, pp. 42-53. Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA
SO
        92101-4495.
       ISSN: 0012-1606.
DT
       Article; Journal
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       LIFE
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       English
REC
       Reference Count: 31
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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       ANSWER 255 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
        1999:249220 SCISEARCH
AN
       The Genuine Article (R) Number: 179QP
Distribution of ***semaphorin*** IV in adult ***human*** brain
GΑ
TI
AU
       Hirsch E; Hu L J; Prigent A; Constantin B; Aqid Y; Drabkin H; Roche J
       (Reprint)
UNIV POITIERS, CNRS, ESA 6031, IBMIG, 40 AVE RECTEUR PINEAU, F-86022
POITIERS, FRANCE (Reprint); UNIV POITIERS, CNRS, ESA 6031, IBMIG, F-86022
POITIERS, FRANCE; UNIV POITIERS, LAB PHYSIOL GENERALE, CNRS, UMR 6558,
F-86022 POITIERS, FRANCE; UNIV COLORADO, HLTH SCI CTR, DIV MED ONCOL,
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I3, FRANCE
CYA
      FRANCE; USA
      BRAIN RESEARCH, (27 MAR 1999) Vol. 823, No. 1-2, pp. 67-79.
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,
SO
      NETHERLANDS.
      ISSN: 0006-8993.
DT
      Article; Journal
FS
      LIFE
LA
      English
REC
      Reference Count: 48
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 256 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
AN
      1999:196634
                      SCISEARCH
GA
      The Genuine Article (R) Number: 172ZP
      Cloning, expression, and genetic mapping of Sema W, a member of the
TI
         ***semaphorin***
                                  family
      Encinas J'A; Kikuchi K; Chedotal A; deCastro F; Goodman C S; Kimura T
ΑU
       (Reprint)
      SUMITOMO PHARMACEUT RES CTR, 3-1-98 KASUGAADE NAKA, OSAKA 5540022, JAPAN (Reprint); HOP LA PITIE SALPETRIERE, INSERM, U106, F-75013 PARIS, FRANCE; UNIV CALIF BERKELEY, DEPT MOL & CELL BIOL, DIV NEUROBIOL, HOWARD HUGHES MED INST, BERKELEY, CA 94720
CS
      JAPAN; FRANCE; USA
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
CYA
SO
      AMERICA, (2 MAR 1999) Vol. 96, No. 5, pp. 2491-2496.
Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC
      ISSN: 0027-8424.
DT
      Article; Journal
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      LIFE
LΑ
      English
REC
      Reference Count: 51
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L4
      ANSWER 257 OF 441 SCISEARCH
                                             COPYRIGHT 2004 THOMSON ISI on STN
      1999:72054 SCISEARCH
ΑN
GA
      The Genuine Article (R) Number: 156CK
      Molecular cloning and expression of murine homologue of ***semaphorin***
TI
      K1 gene
      Sato Y; Takahashi H (Reprint)
MITSUBISHI KASEI INST LIFE SCI, 11 MINAMIOOYA, MACHIDA, TOKYO 194, JAPAN
(Reprint); MITSUBISHI KASEI INST LIFE SCI, MACHIDA, TOKYO 194, JAPAN
AU
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CYA
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      BIOCHIMICA ET BIOPHYSICA ACTA-GENE STRUCTURE AND EXPRESSION, (22 DEC 1998)
      Vol. 1443, No. 3, pp. 419-422.
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,
      NETHERLANDS.
      ISSN: 0167-4781.
DT
      Article; Journal
FS
      LIFE
LA
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*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
REC
                               SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
      ANSWER 258 OF 441
T.4
      1999:43142 SCISEARCH
AN
GA
      The Genuine Article (R) Number: 152RJ
      Cloning and expression pattern of a murine ***semaphorin***
TI
                                                                                           homologous
      to H-sema IV
      Eckhardt F (Reprint); Meyerhans A
AU
      UNIV ERLANGEN NURNBERG, INST BIOCHEM, D-91054 ERLANGEN, GERMANY (Reprint); UNIV SAARLAND, DEPT VIROL, INST MED MICROBIOL & HYG, D-66421 HOMBURG,
CS
      GERMANY
CYA
      GERMANY
      NEUROREPORT, (1 DEC 1998) Vol. 9, No. 17, pp. 3975-3979.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 227 EAST WASHINGTON SQ,
SO
      PHILADELPHIA, PA 19106.
       ISSN: 0959-4965.
DT
      Article; Journal
FS
      LIFE
LА
      English
REC
      Reference Count: 26
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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1998:671767 SCISEARCH
AN
      The Genuine Article (R) Number: 114NY
GΑ
      ***Human***

***Semaphorin***

K1 is glycosylphosphatidylinositol-
linked and defines a new subfamily of viral-related

***semaphorins***

Xu X M; Ng S; Wu Z L; Nguyen D; Homburger S; SeidelDugan C; Ebens A; Luo Y
TI
ΑU
      L (Reprint)
CS
      EXELIXIS PHARMACEUT INC, 260 LITTLEFIELD AVE, S SAN FRANCISCO, CA 94080
       (Reprint); EXELIXIS PHARMACEUT INC, S SAN FRANCISCO, CA 94080
CYA
      USA
      JOURNAL OF BIOLOGICAL CHEMISTRY, (28 AUG 1998) Vol. 273, No. 35, pp.
SO
      22428-22434.
      Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
      PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.
DT
      Article; Journal
FS
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LA
REC
      Reference Count: 48
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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L4
      1998:278083
                      SCISEARCH
AN
      The Genuine Article (R) Number: ZF395
Anatomical distribution of the chemorepellent
GΑ
                                                                    ***semaphorin***
                                                                                               III
TI
         ***collapsin*** -1 in the adult rat and ***human***
                                                                                    brain:
      Predominant expression in structures of the olfactory-hippocampal pathway
      and the motor system
      Giger R J; Pasterkamp R J; Heijnen S; Holtmaat A J G D; Verhaagen J
AU
       (Reprint)
      NETHERLANDS INST BRAIN RES, GRAD SCH NEUROSCI, MEIBERGDREEF 33, NL-1105 AZ AMSTERDAM, NETHERLANDS (Reprint); NETHERLANDS INST BRAIN RES, GRAD SCH
CS
      NEUROSCI, NL-1105 AZ AMSTERDAM, NETHERLANDS
CYA
      NETHERLANDS
      JOURNAL OF NEUROSCIENCE RESEARCH, (1 APR 1998) Vol. 52, No. 1, pp. 27-42.
SO
      Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC, 605 THIRD AVE, NEW YORK,
      NY 10158-0012.
      ISSN: 0360-4012
DT
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FS
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*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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L4
      1998:250726 SCISEARCH
AN
GΑ
      The Genuine Article (R) Number: ZD198
      Neuropilin-1 is expressed by endothelial and tumor cells as an
TI
      isoform-specific receptor for vascular endothelial growth factor
      Soker S; Takashima S; Miao H Q; Neufeld G; Klagsbrun M (Reprint)
ΑU
      HARVARD UNIV, CHILDRENS HOSP, SCH MED, DEPT SURG, BOSTON, MA 02115 (Reprint); HARVARD UNIV, CHILDRENS HOSP, SCH MED, DEPT SURG, BOSTON, MO 02115; HARVARD UNIV, CHILDRENS HOSP, SCH MED, DEPT PATHOL, BOSTON, MA 02115; TECHNION ISRAEL INST TECHNOL, DEPT BIOL, IL-32000 HAIFA, ISRAEL
CS
CYA
      USA; ISRAEL
      CELL, (20 MAR 1998) Vol. 92, No. 6, pp. 735-745.
Publisher: CELL PRESS, 1050 MASSACHUSETTES AVE, CIRCULATION DEPT,
SO
      CAMBRIDGE, MA 02138.
      ISSN: 0092-8674.
      Article; Journal
DT
FS
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LA
REC
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       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 262 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
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      97:870598
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AN
GA
      The Genuine Article (R) Number: YG275
      Brain CRMP forms heterotetramers similar to liver dihydropyrimidinase
TI
      Wang L H; Strittmatter S M (Reprint)
YALE UNIV, SCH MED, DEPT NEUROL, 333 CEDAR ST, POB 208018, NEW HAVEN, CT
06520 (Reprint); YALE UNIV, SCH MED, DEPT NEUROL, NEW HAVEN, CT 06520;
ΑU
CS
      YALE UNIV, SCH MED, DEPT NEUROBIOL, NEW HAVEN, CT 06520
CYA
      USA
      JOURNAL OF NEUROCHEMISTRY, (DEC 1997) Vol. 69, No. 6, pp. 2261-2269. Publisher: LIPPINCOTT-RAVEN PUBL, 227 EAST WASHINGTON SQ, PHILADELPHIA, PA
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SO

ISSN: 0022-3042. DT Article; Journal FS LIFE LAEnglish REC Reference Count: 21 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN ANSWER 263 OF 441 L4AN 97:397488 SCISEARCH GA The Genuine Article (R) Number: WZ565 Identification of ***human*** ***semaphorin*** E gene expression TIin rheumatoid synovial cells by mRNA differential display MangasserStephan K; Dooley S; Welter C; Mutschler W; Hanselmann R G ΑU (Reprint) UNIV SAARLAND, DEPT TRAUMATOL, SAARBRUCKEN, GERMANY (Reprint); UNIV SAARLAND, DEPT TRAUMATOL, SAARBRUCKEN, GERMANY; UNIV SAARLAND, DEPT HUMAN CS GENET, SÄARBRUCKEN, GERMANY CYA BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (8 MAY 1997) Vol. SO 234, No. 1, pp. 153-156. Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495. ISSN: 0006-291X. DT Article; Journal FS LIFE English LAREC Reference Count: 25 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN L4ANSWER 264 OF 441 AN96:762584 SCISEARCH The Genuine Article (R) Number: VM681 GA ***HUMAN*** CD100, A NOVEL LEUKOCYTE ***SI PROMOTES B-CELL AGGREGATION AND DIFFERENTIATION ***SEMAPHORIN*** THAT TIHALL K T; BOUMSELL L; SCHULTZE J L; BOUSSIOTIS V A; DORFMAN D M; CARDOSO A AU A; BENSUSSAN A; NADLER L M; FREEMAN G J (Reprint)
HARVARD UNIV, SCH MED, DEPT MED, DANA FARBER CANC INST, DIV HEMATOL
MALIGNANCIES, BOSTON, MA, 02115 (Reprint); HARVARD UNIV, SCH MED, DEPT
MED, DANA FARBER CANC INST, DIV HEMATOL MALIGNANCIES, BOSTON, MA, 02115;
HOP ST LOUIS, INSERM U93, F-75675 PARIS 10, FRANCE; BRIGHAM & WOMENS HOSP,
DEPT PATHOL, BOSTON, MA, 02115 CS CYA USA; FRANCE PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF SO AMERICA, (15 OCT 1996) Vol. 93, No. 21, pp. 11780-11785. ISSN: 0027-8424. DT Article; Journal FS LIFE LΑ ENGLISH REC Reference Count: 25 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* ANSWER 265 OF 441 SO 96:372084 SCISEARCH L4SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN ANThe Genuine Article (R) Number: UK557 GΑ ***HUMAN*** ***SEMAPHORINS*** TI A(V) AND A-IV RESIDE IN THE 3P21.3 SMALL-CELL LUNG-CANCER DELETION REGION AND DEMONSTRATE DISTINCT EXPRESSION PATTERNS ΑU SEKIDO Y (Reprint); BADER S; LATIF F; CHEN J Y; DUH F M; WEI M H; ALBANESI J P; LEE C C; LERMAN M I; MINNA J D UNIV TEXAS, SW MED CTR, HAMON CTR THERAPEUT ONCOL RES, DALLAS, TX, 75235 (Reprint); UNIV TEXAS, SW MED CTR, DEPT PHARMACOL, DALLAS, TX, 75235; UNIV TEXAS, SW MED CTR, DEPT INTERNAL MED, DALLAS, TX, 75235; NCI, FREDERICK CANC RES & DEV CTR, SCI APPLICAT INT CORP, IMMUNOBIOL LAB, FREDERICK, MD, 21702; NCI, FREDERICK CANC RES & DEV CTR, SCI APPLICAT INT CORP, BIOL CARCINOGENESIS & DEV PROGRAM, FREDERICK, MD, 21702; BAYLOR COLL MED, DEPT CS

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

MOL & HUMAN GENET, HOUSTON, TX, 77030

AMERICA, (30 APR 1996) Vol. 93, No. 9, pp. 4120-4125.

Reference Count: 30
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

CYA

SO

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USA

LIFE

ENGLISH

ISSN: 0027-8424.

Article; Journal

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ANSWER 266 OF 441
                          SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
L4
                 SCISEARCH
AN
     96:161327
     The Genuine Article (R) Number: TW558
GΑ
     ISOLATION OF THE
                          ***HUMAN***
                                            ***SEMAPHORIN***
                                                                 III/F GENE (SEMA3F)
ΤI
     AT CHROMOSOME 3P21, A REGION DELETED IN LUNG-CANCER
XIANG R H; HENSEL C H; GARCIA D K; CARLSON H C; KOK K; DALY M C; KERBACHER
ΑU
     K; VANDENBERG A; VELDHUIS P; BUYS C H C M; NAYLOR S L (Reprint) UNIV TEXAS, HLTH SCI CTR, DEPT CELLULAR & STRUCT BIOL, SAN ANTONIO,
CS
     78284 (Reprint); UNIV TEXAS, HLTH SCI CTR, DEPT CELLULAR & STRUCT BIOL,
     SAN ANTONIO, TX, 78284; UNIV GRONINGEN, DEPT MED GENET, GRONINGEN,
     NETHERLANDS
CYA
     USA; NETHERLANDS
SO
     GENOMICS, (15 FEB 1996) Vol. 32, No. 1, pp. 39-48.
     ISSN: 0888-7543.
DT
     Article; Journal
FS
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LΑ
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REC
     Reference Count: 34
     *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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                         SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
T.4
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AN
     94:19916
GΑ
     The Genuine Article (R) Number: MP869
                                 GENES ENCODE A FAMILY OF TRANSMEMBRANE AND
            ***SEMAPHORIN***
ΤI
     THE
     SECRETED GROWTH CONE GUIDANCE MOLECULES
     KOLODKIN A L (Reprint); MATTHES D J; GOODMAN C S
ΑU
     UNIV CALIF BERKELEY, HOWARD HUGHES MED INST, DEPT MOLEC & CELL BIOL, DIV
CS
     NEUROBIOL, BERKELEY, CA, 94720 (Reprint)
CYA
     USA
SO
     CELL, (31 DEC 1993) Vol. 75, No. 7, pp. 1389-1399.
     ISSN: 0092-8674.
DT
     Article; Journal
FS
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LΑ
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REC
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     *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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L4
AN
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     2004:19684
DN
     DART-TER-3001462
TI
     Molecular analysis of phenotypes in congenital heart diseases using
     genome-based knockout mice.
ΑU
     Miura N
     Department of Biochemistry, Hamamatsu University School of Medicine,
CS
     Hamamatsu, Shizuoka, Japan.
SO
     Congenit Anom Kyoto, (2002 Sep) 42 (3) 227.
     ISSN: 0914-3505
     Abstract; (MEETING ABSTRACT)
DT
FS
     DART
LΑ
     English
     Entered STN: 20040203
ED
     Last Updated on STN: 20040203
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     ANSWER 269 OF 441
L4
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AN
     2002:19857
     PubMed ID: 11583986
DN
                           response mediator protein switches RhoA and Rac1
        ***Collapsin***
TI
     morphology in N1E-115 neuroblastoma cells and is regulated by Rho kinase
     Hall C; Brown M; Jacobs T; Ferrari G; Cann N; Teo M; Monfries C; Lim L
ΑU
     Department of Neurochemistry, Institute of Neurology, University College London, 1 Wakefield Street, London WC1N IPJ, United Kingdom.
CS
     C.Hall@ion.ucl.ac.uk
     Journal of biological chemistry, (2001 Nov 16) 276 (46) 43482-6.
SO
     Journal Code: 2985121R. ISSN: 0021-9258.
CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
FS
     MEDLINE
OS
     MEDLINE 2001652592
LA
     English
     Entered STN: 20020129
ED
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     ANSWER 270 OF 441
                          TOXCENTER COPYRIGHT 2004 ACS on STN
L4
                  TOXCENTER
ΑN
     2002:18385
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DN

PubMed ID: 11688556

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arteriosus and aortic arch interruption
      Feiner L; Webber A L; Brown C B; Lu M M; Jia L; Feinstein P; Mombaerts P; Epstein J A; Raper J A
Department of Neuroscience, University of Pennsylvania School of Medicine,
ΑU
CS
      Philadelphia 19104, USA
NC
      F32AR08584 (NIAMS)
      HL61475 (NHLBI)
      HL62974 (NHLBI)
      RO1 NS38548 (NINDS)
      T32HD07516 (NICHD)
      Development (Cambridge, England), (2001 Aug) 128 (16) 3061-70. Journal Code: 8701744. ISSN: 0950-1991.
SO
CY
      England: United Kingdom
DT
      Journal; Article; (JOURNAL ARTICLE)
FS
      MEDLINE
OS
      MEDLINE 2001635185
LΑ
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ED
      Entered STN: 20020129
      Last Updated on STN: 20040217
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                            TOXCENTER COPYRIGHT 2004 ACS on STN
L4
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AN
      2000:71673
      Copyright 2004 BIOSIS PREV200000060650
CP
DN
        ***Semaphorin***
                                3A growth cone collapse requires a sequence
TI
      homologous to tarantula hanatoxin
      Behar, Oded [Reprint author]; Mizuno, Keiko; Badminton, Mike; Woolf,
ΑU
      Clifford J.
      Neural Plasticity Research Group, Department of Anesthesia and Critical
CS
      Care, Massachusetts General Hospital, Harvard Medical School, Charlestown,
      MA, USA
      Proceedings of the National Academy of Sciences of the United States of America, (Nov. 9, 1999) Vol. 96, No. 23, pp. 13501-13505. print. CODEN: PNASA6. ISSN: 0027-8424.
SO
DT
      Article
FS
      BIOSIS
OS
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LA
      English
      Entered STN: 20011116
ED
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      ANSWER 272 OF 441
                             TOXCENTER COPYRIGHT 2004 ACS on STN
L4
                     TOXCENTER
AN
      2000:51782
      PubMed ID: 10781943
Plexin/neuropilin complexes mediate repulsion by the axonal guidance
DN
ΤI
                 ***semaphorin***
      signal
                                         3A
ΑU
      Rohm B; Ottemeyer A; Lohrum M; Puschel A W
      Molecular Neurogenetics Laboratory, Department of Neurochemistry,
CS
      Max-Planck-Institute for Brain Research, Deutschordenstrasse 46, D-60528,
      Frankfurt, Germany
      Mechanisms of development, (2000 May) 93 (1-2) 95-104.
SO
      Journal Code: 9101218. ISSN: 0925-4773.
CY
      Ireland
      Journal; Article; (JOURNAL ARTICLE)
DT
FS
      MEDLINE
      MEDLINE 2000400949
OS
LΑ
      English
ED
      Entered STN: 20011116
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      ANSWER 273 OF 441
L4
      PubMed ID: 10757975

Neurofibrillary tangle-associated ***collapsin*** response mediat protein-2 (CRMP-2) is highly phosphorylated on Thr-509, Ser-518, and Ser-522
AN
DN
TI
                                                                         response mediator
ΑU
      Gu Y; Hamajima N; Ihara Y
      Department of Neuropathology, Faculty of Medicine, University of Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan Biochemistry, (2000 Apr 18) 39 (15) 4267-75.
CS
SO
      Journal Code: 0370623. ISSN: 0006-2960.
CY
      United States
      Journal; Article; (JOURNAL ARTICLE)
DT
FS
      MEDLINE
os
      MEDLINE 2000222961
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ED
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ΑN
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             2004:133839
TI
             Use of rgm and its modulators
            Mueller, Bernhard K, Neustadt, GERMANY, FEDERAL REPUBLIC OF Monnier, Philippe P, Toronto, CANADA Macchi, Paolo, Tubingen, GERMANY, FEDERAL REPUBLIC OF Bonhoeffer, Friedrich, Tubingen, GERMANY, FEDERAL REPUBLIC OF Stahl, Bernd, Tubingen, GERMANY, FEDERAL REPUBLIC OF Mann, Matthias, Odense M, DENMARK Anderson, Jons S, Odense SO, DENMARK Anderson, Jons S, Odense SO, DENMARK
IN
                                                            20040527
PΙ
             US 2004102376
                                                 A1
AΙ
             US 2003-451586
                                                            20031208 (10)
                                                 A1
             WO 2001-EP15289
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PRAI
             EP 2000-128356
                                                    20001222
DT
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LN.CNT
             2154
INCL
             INCLM: 514/012.000
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IC
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         ANSWER 275 OF 441
2004:127727 USF
L4
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ΑN
             Immunoglobulin superfamily proteins
Yue, Henry, Sunnyvale, CA, UNITED STATES
Xu, Yuming, Mountain View, CA, UNITED STATES
Thangavelu, Kavitha, Sunnyvale, CA, UNITED STATES
Warren, Bridget A, San Marcos, CA, UNITED STATES
Tang, Y Tom, San Jose, CA, UNITED STATES
TI
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             Duggan, Brendan M, Sunnyvale, CA, UNITED STATES
             Tran, Uyen K, San Jose, CA, UNITED STATES
            Baughn, Mariah R, Los Angeles, CA, UNITED STATES
Honchell, Cynthia D, San Carlos, CA, UNITED STATES
Buford, Neil G, Durham, CT, UNITED STATES
Forsythe, Ian J, Edmonton, CANADA
Yang, Junming, San Jose, CA, UNITED STATES
Mason, Patricia M, Morgan Hill, CA, UNITED STATES
MS 2004097711 21 20040520
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             NCLS:
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IC
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             ICS: C07H021-04; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
         ANSWER 276 OF 441 USPATFULL on STN
L4
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AN
ΤI
             Cell adhesion proteins
             Duggan, Brendan M., Sunnyvale, CA, UNITED STATES Xu, Yuming, Mountain View, CA, UNITED STATES Lee, Ernestine A., Castro Valley, CA, UNITED STATES Lee, Sally, San Jose, CA, UNITED STATES
IN
             Lu, Dyung Aina M., San Jose, CA, UNITED STATES Warren, Bridget A., San Marcos, CA, UNITED STATES
             Yue, Henry, Sunnyvale, CA, UNITED STATES
Yue, Henry, Sunnyvale, CA, UNITED STATES
Gietzen, Kimberly J., San Jose, CA, UNITED STATES
Honchell, Cynthia D., San Carlos, CA, UNITED STATES
Burford, Neil, Durham, CT, UNITED STATES
Baughn, Mariah R., San Leandro, CA, UNITED STATES
Tang, Y. Tom, San Jose, CA, UNITED STATES
             Jackson, Jennifer L., Santa Cruz, CA, UNITED STATES
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Kallick, Deboran A., Glaveston, TX, UNITED STATES
Bandman, Olga, Mountain View, CA, UNITED STATES
Graul, Richard C., San Francisco, CA, UNITED STATES
Chawla, Narinder K., Union City, CA, UNITED STATES
Lu, Yan, Mountain View, CA, UNITED STATES
           Ramkumar, Jayalaxmi, Fremont, CA, UNITED STATES
           Yao, Monique G., Mountain View, CA, UNITED STATES Lal, Preeti G., Santa Clara, CA, UNITED STATES
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US 2003-451010
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                                                  20011218
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INCL
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                                      USPATFULL on STN
        ANSWER 277 OF 441
L4
           2004:95559
                             USPATFULL
AN
           Secreted and transmembrane polypeptides and nucleic acids encoding the
TI
          Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA UNITED STATES
IN
           Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
           Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
           Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart Timothy A San Francisco, CA, UNITED STATES
           Stewart, Timothy A., San Francisco, CA,
                                                                           UNITED STATES
           Tumas, Daniel, Orinda, CA, UNITED STATES
           Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
           Genentech, Inc. (U.S. corporation)
PA
ΡI
           US 2004073015
                                         A1
                                                  20040415
                                                  20011212 (10)
ΑI
           US 2001-15395
                                         A1
           Continuation of Ser. No. US 2001-946374, filed on 4 Sep 2001, PENDING Continuation of Ser. No. WO 2000-US4342, filed on 18 Feb 2000, PENDING
RLI
           Continuation-in-part of Ser. No. US 1999-403297, filed on 18 Oct 1999,
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                       536/023.200
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           ICM: C12P021-02
           ICS: C12N005-06; C07K014-47; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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L4

ANSWER 278 OF 441 USPATFULL on STN

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Secreted proteins
T,T
                             Tang, Y Tom, San Jose, CA, UNITED STATES
Yue, Henry, Sunnyvale, CA, UNITED STATES
Gandhi, Ameena R., San Francisco, CA, UNITED STATES
Yao, Monique G., Mountain View, CA, UNITED STATES
Warren, Bridget A., San Marcos, CA, UNITED STATES
IN
                              Ding, Li, Creve Coeur, MO, UNITED STATES
                            Ding, Li, Creve Coeur, MO, UNITED STATES
Duggan, Brendan M., Sunnyvale, CA, UNITED STATES
Xu, Yuming, Mountain View, CA, UNITED STATES
Yang, Junming, San Jose, CA, UNITED STATES
Thangavelu, Kavitha, Sunnyvale, CA, UNITED STATES
Lal, Preeti G., Santa Clara, CA, UNITED STATES
Honchell, Cynthia D., San Carlos, CA, UNITED STATES
Chawla, Narinder K., Union City, CA, UNITED STATES
Lee, Sally, San Jose, CA, UNITED STATES
Lee, Ernestine A., Castro Valley, CA, UNITED STATES
Richardson, Thomas W., Redwood City, CA, UNITED STATES
Baughn, Mariah R., Los Angeles, CA, UNITED STATES
Elliott, Vicki S., San Jose, CA, UNITED STATES
US 2004063924
Al 20040401
US 2003-470360
Al 20030725 (10)
                              US 2004063924
US 2003-470360
PI
                                                                                                                                     20030725 (10)
AΙ
                                                                                                              A1
                             WO 2002-US2616
Utility
                                                                                                                                    20020128
DT
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FS
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LN.CNT
                              INCLM: 536/023.500
INCL
                              INCLS: 530/350.000; 435/069.100; 435/320.100; 435/325.000
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                              ICM: C07K014-47
                               ICS: C12P021-02; C12N005-06; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                     ANSWER 279 OF 441 USPATFULL on STN 2004:70596 USPATFULL
L4
AN
                              Extracellular matrix and cell adhesion molecules
TI
                             Extracellular matrix and cell adhesion molecules Tang, Y Tom, San Jose, CA, UNITED STATES
Yue, Henry, Sunnyvale, CA, UNITED STATES
Azimzai, Yalda, Oakland, CA, UNITED STATES
He, Ann, San Jose, CA, UNITED STATES
Lo, Terence P, Foster City, CA, UNITED STATES
Nguyen, Daniel B, San Jose, CA, UNITED STATES
Nguyen, Daniel B, San Jose, CA, UNITED STATES
Marcus, Gregory A, San Carlos, CA, UNITED STATES
Zingler, Kurt A, San Francisco, CA, UNITED STATES
IN
                            Marcus, Gregory A, San Carlos, CA, UNITED STATES
Zingler, Kurt A, San Francisco, CA, UNITED STATES
Gandhi, Ameena R, San Francisco, CA, UNITED STATES
Kearney, Liam, San Francisco, CA, UNITED STATES
Burford, Neil, Durham, CT, UNITED STATES
Yao, Monique G, Carmel, IN, UNITED STATES
Chawla, Narinder K, Union City, CA, UNITED STATES
Elliott, Vicki S, San Jose, CA, UNITED STATES
Arvizu, Chandra S, San Jose, CA, UNITED STATES
Baughn, Mariah R, San Leandro, CA, UNITED STATES
Hafalia, April J A, Santa Clara, CA, UNITED STATES
Policky, Jennifer L, San Jose, CA, UNITED STATES
                              Policky, Jennifer L, San Jose, CA, UNITED STATES Au-Young, Janice K, Brisbane, CA, UNITED STATES
                            Au-Young, Janice K, Brisbane, CA, UNITED STATES
Lu, Yan, Mountain View, CA, UNITED STATES
Borowsky, Mark L, Redwood City, CA, UNITED STATES
Lu, Dyung Aina M, San Jose, CA, UNITED STATES
Ramkumar, Jayalaxmi, Fremont, CA, UNITED STATES
Yang, Junming, San Jose, CA, UNITED STATES
Gururajan, Rajagopal, San Jose, CA, UNITED STATES
Warren, Bridget A, Encinitas, CA, UNITED STATES
Gietzen, Kimberly J, San Jose, CA, UNITED STATES
Xu, Yuming, Mountain View, CA, UNITED STATES
Kallick, Deborah A, Portola Valley, CA, UNITED STATES
Lee, Ernestine A, Castro Valley, CA, UNITED STATES
Thangavelu, Kavitha, Sunnyvale, CA, UNITED STATES
Delegeane, Angelo M, Milpitas, CA, UNITED STATES
Lee, Sally, San Jose, CA, UNITED STATES
Lee, Sally, San Jose, CA, UNITED STATES
Lal, Preetr G., Santa Clara, CA, UNITED STATES
Khan, Farrah A., Des Plaines, IL, UNITED STATES
US 2004053824

Al 20040318
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WO 2001-0821067
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         Utility
DT
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LN.CNT 13526
INCL
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                  536/023.500; 530/388.220
         NCLM:
NCL
                  514/012.000
                  435/006.000; 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500; 530/388.220
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         ICM: C07K014-705
         ICS: C12Q001-68; C07H021-04; C12P021-02; C12N005-06; A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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L4
AN
         2004:69537 USPATFULL
         Recombinant aav vectors with aav5 capsids and aav5 vectors pseudotyped
TI
         in heterologous capsids
        Hildinger, Markus, Boston, MA, UNITED STATES Wilson, James M., Gladwyne, PA, UNITED STATES Auricchio, Alberto, Napoli, ITALY US 2004052764 A1 20040318
IN
         US 2004052764
PI
         US 2002-257961
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                                        20021025 (10)
AI
         WO 2001-US13000
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         Utility
DT
         APPLICÁTION
FS
LN.CNT 1640
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INCL
         INCLS: 435/456.000
NCLM: 424/093.200
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                  435/456.000
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IC
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         ICM: A61K048-00
         ICS: C12N015-861
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 281 OF 441 USPATFULL on STN
L4
         2004:66006
                       USPATFULL
ΑN
TI
         DNA array sequence selection
         Lorenz, Matthias, Bethesda, MD, United States
The United States of America as represented by the Department of Health
IN
PA
         and Human Services, Washington, DC, United States (U.S. government) US 6706867 B1 20040316
PΙ
ΑI
         US 2000-741238
                                        20001219 (9)
         Utility
DT
         GRANTED
FS
LN.CNT
        23532
         INCLM: 536/023.100
INCL
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NCLM: 536/023.100
NCL
                  435/006.000; 536/024.300; 536/024.310; 536/024.320
         NCLS:
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IC
         ICM: C07H021-04
         ICS: C12Q001-68
         435/6; 536/24.32; 536/24.31; 536/24.33; 536/23.1
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 282 OF 441 USPA
2004:57422 USPATFULL
L4
                             USPATFULL on STN
ΑN
         Immunoglobulin superfamily proteins
TI
         Baughn, Mariah R, San Leandro, CA, UNITED STATES
Lu, Dyung Aina M, San Jose, CA, UNITED STATES
IN
                      Sunnyvale, CA, UNITED STATES
         Yu, Henry, Sunnyvale, CA, UNITED STATES
Vicki, Elliott S, San Jose, CA, UNITED STATES
         Thangavelu, Kayitha, Sunnyvale, CA, UNITED STATES
         Ramkumar, Jayalaxmi, Fremont, CA, UNITED STATES
         Lu, Yan, Mountain View, CA, UNITED STATES
Lo, Terrence P, Foster City, CA, UNITED STATES
         Gururajan, Rajagopal, San Jose, CA, UNITED STATES
         Gandhi, Ameena R, San Francisco, CA, UNITED STATES
Arvizu, Chandra S, San Jose, CA, UNITED STATES
Yao, Monique G, Carmel, IN, UNITED STATES
                                        20040304
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PI
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         US 2003-432103
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                                        20030516 (10)
ΑI
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D.I.
             Utility
FS
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LN.CNT 5627
INCL
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                           435/007.100
NCL
             NCLM:
             NCLS:
                           435/069.100; 435/320.100; 435/325.000; 530/350.000; 530/388.220;
                           536/023.500; 800/018.000
IC
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             ICM: G01N033-53
             ICS: A01K067-027; C07H021-04; C07K014-705; C07K016-28
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
         ANSWER 283 OF 441
                                           USPATFULL on STN
AN
             2004:44611
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             Recombinant lentiviral vectors pseudotyped in envelopes containing
TI
             filovirus binding domains
             Kobinger, Gary, Philadelphia, PA, UNITED STATES
IN
             Wilson, James M., Gladwyne, PA, UNITED STATES
PI
             US 2004033604
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AI
             US 2002-257960
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             WO 2001-US12880
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DT
             Utility
FS
             APPLICATION
LN.CNT
             1603
             INCLM: 435/456.000
INCLS: 435/235.100; 424/093.200
NCLM: 435/456.000
INCL
NCL
                          435/235.100; 424/093.200
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IC
             [7]
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             ICS: C12N007-00; A61K048-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
         ANSWER 284 OF 441
                                           USPATFULL on STN
                                   USPATFULL
AN
             2004:44499
             Proteins and nucleic acids encoding same
Alsobrook, John P., II, Madison, CT, UNITED STATES
Anderson, David W., Branford, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
TI
IN
             Boldog, Ferenc L., North Haven, CT, UNITED STATES Casman, Stacie J., North Haven, CT, UNITED STATES Colman, Steven D., Guilford, CT, UNITED STATES
             Edinger, Shlomit R., New Haven, CT, UNITED STATES
            Ellerman, Karen, Branford, CT, UNITED STATES
Gerlach, Valerie, Branford, CT, UNITED STATES
Gorman, Linda, Branford, CT, UNITED STATES
Grosse, William M., Branford, CT, UNITED STATES
Guo, Xiaojia Sasha, Branford, CT, UNITED STATES
Herrmann, John L., Guilford, CT, UNITED STATES
Herrmann, John L., Guilford, CT, UNITED STATES
            Kekuda, Ramesh, Danbury, CT, UNITED STATES
Lepley, Denise M., Branford, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
MacDougall, John R., Hamden, CT, UNITED STATES
Millet, Isabelle, Milford, CT, UNITED STATES
Pena, Carol E. A., New Haven, CT, UNITED STATES
Peyman, John A., New Haven, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Rieger, Daniel K., Branford, CT, UNITED STATES
Shimkets, Richard A., Guilford, CT, UNITED STATES
             Shimkets, Richard A., Guilford, CT, UNITED STATES
             Smithson, Glennda, Guilford, CT, UNITED STATES
             Spytek, Kimberly A., New Haven, CT, UNITED STATES Stone, David J., Guilford, CT, UNITED STATES
            Stone, David J., Guiltord, CT, UNITED STATES
Tchernev, Velizar T., Branford, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES
Voss, Edward Z., Wallingford, CT, UNITED STATES
Zerhusen, Bryan D., Branford, CT, UNITED STATES
Zhong, Haihong, Guilford, CT, UNITED STATES
Zhong, Mei, Branford, CT, UNITED STATES
US 2004033491 Al 20040219
PΙ
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ΑI
             US 2001-16248
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             US 2000-254329P
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             US 2001-291037P
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             US 2000-255648P
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20010731 (60)
          US 2001-309258P
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DŢ
          Utility
          APPLICATION
FS
LN.CNT
         12259
INCL
          INCLM: 435/006.000
          INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
                    536/023.200
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435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
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         NCLS:
                    536/023.200
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          ICM: C12Q001-68
          ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 285 OF 441 USPATFULL on STN
AN
          2004:38683
                          USPATFULL
          Proteins and nucleic acids encoding same
TI
         Edinger, Shlomit R., New Haven, CT, UNITED STA' MacDougall, John R., Hamden, CT, UNITED STATES Millet, Isabelle, Milford, CT, UNITED STATES
IN
                                                             UNITED STATES
         Ellerman, Karen, Branford, CT,
                                                     UNITED STATES
          Stone, David J., Guilford, CT, UNITED STATES
          Gerlach, Valerie, Branford, CT,
                                                       UNITED STATES
          Grosse, William M., Branford, CT, UNITED STATES
         Alsobrook, John P., II, Madison, CT, UNITED STATES
Lepley, Denise M., Branford, CT, UNITED STATES
Rieger, Danier K., Branford, CT, UNITED STATES
         Burgess, Catherine E., Wethersfield, CT, UNITED S
Casman, Stacie J., North Haven, CT, UNITED STATES
                                                                   UNITED STATES
         Casman, Stacie J., North Haven, CT, UNITED STATES
Spytek, Kimberly A., New Haven, CT, UNITED STATES
Boldog, Ference L., North Haven, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
          Padigaru, Muralidhara, Branford, CT, UNITED STATES
         Mishra, Vishnu, Gainesville, FL, UNITED STATES
         Patturajan, Meera, Branford, CT, UNITED STATES
         Shenoy, Suresh G., Branford, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Tchernev, Velizar T., Branford, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES
Zerhusen, Bryan D., Branford, CT, UNITED STATES
Malyankar, Uriel M., Branford, CT, UNITED STATES
Guo, Xiaojia (Sasha), Branford, CT, UNITED STATES
Miller, Charles E. Guilford, CT, UNITED STATES
         Miller, Charles E., Guilford, CT, UNITED STATES
Gangolli, Esha A., Madison, CT, UNITED STATES
          Grosse, Michael, UNITED STATES
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         US 2004029222
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ΑI
         US 2002-218779
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RLI
          Continuation of Ser. No. US 2001-995514, filed on 28 Nov 2001, ABANDONED
         US 2000-253834P
US 2000-250926P
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                                                    (60)
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         US 2001-264180P
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         US 2001-313656P
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          US 2001-327456P
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DT
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FS
LN.CNT
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INCL
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                    435/069.100
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          NCLM:
                    435/183.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200;
          NCLS:
                    530/388.100; 435/007.230; 435/006.000
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          ICM: C12Q001-68
          ICS: G01N033-574; C07H021-04; C12N009-00; C12P021-02; C12N005-06;
          C07K014-47; C07K016-30
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 286 OF 441
                                 USPATFULL on STN
          2004:38677
                          USPATFULL
AN
          Proteins, polynucleotides encoding them and methods of using the same
ΤI
          Padigaru, Muralidhara, Branford, CT, UNITED STATES
IN
```

```
Zernusen, Bryan D., Braniord, CT, UNITED STATES
Casman, Stacie J., North Haven, CT, UNITED STATES
Shenoy, Suresh G., Branford, CT, UNITED STATES
Spytek, Kimberly, New Haven, CT, UNITED STATES
Zhong, Mei, Branford, CT, UNITED STATES
Gangolli, Esha A., Madison, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
Patturaian Meera, Branford, CT, UNITED STATES
             Patturajan, Meera, Branford, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES
Taylor, Sarah, Guilford, CT, UNITED STATES
             Tchernev, Velizar T., Branford, CT, UNITED STATES Miller, Charles E., Guilford, CT, UNITED STATES
             Guo, Xiaojia, Branford, CT, UNITED STATES
             Boldog, Ferenc L., North Haven, CT, UNITED STATES
Grosse, William M., Branford, CT, UNITED STATES
Alsobrook, John P., II, Madison, CT, UNITED STATES
             Gerlach, Valerie L., Branford, CT, UNITED STATES
Edinger, Shlomit R., New Haven, CT, UNITED STATES
            Rothenberg, Mark E., Clinton, CT, UNITED STATES
Ellerman, Karen, Branford, CT, UNITED STATES
MacDougall, John, Hamden, CT, UNITED STATES
Malyankar, Uriel M., Branford, CT, UNITED STATES
Millet, Isabelle, Milford, CT, UNITED STATES
Peyman, John, New Haven, CT, UNITED STATES
Smithson, Glennda, Branford, CT, UNITED STATES
             Smithson, Glennda, Branford, CT, UNITED STATES
Gunther, Erik, Branford, CT, UNITED STATES
Stone, David, Guilford, CT, UNITED STATES
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ΑI
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                   2001-272338P
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             Utility
DT
FS
             APPLICATION
LN.CNT
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INCL
             INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500
                          435/069.100
NCL
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                          435/320.100; 435/325.000; 530/350.000; 536/023.500
             NCLS:
IC
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             ICM: C07K014-435
             ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
         ANSWER 287 OF 441
                                           USPATFULL on STN
L4
                                  USPATFULL
AN
             2004:38630
             Reducing NgR-p75 mediated inhibition of axon regeneration He, Zhigang, Boston, MA, UNITED STATES Wang, Kevin C., Boston, MA, UNITED STATES Kim, Jieun A., Boston, MA, UNITED STATES Children's Medical Center Corporation (U.S. corporation)
ΤI
IN
PA
             US 2004029169
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PI
             US 2002-211157
ΑI
                                                 A1
                                                          20020802 (10)
             Utility
DT
             APPLICÁTION
FS
LN.CNT 1299
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             INCLS: 435/007.200
NCLM: 435/007.100
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             NCLS:
                          435/007.200
IC
              ICM: G01N033-53
             ICS: G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
          ANSWER 288 OF 441
                                           USPATFULL on STN
              2004:38611 USPATFULL
AN
ΤI
             Therapeutic polypeptides, nucleic acids encoding same, and methods of
             use
             Alsobrook, John, II, Madison, CT, UNITED STATES Anderson, David, Plantsville, CT, UNITED STATES Boldog, Ferenc, North Haven, CT, UNITED STATES
IN
             Burgess, Catherine, Wethersfield, CT, UNITED STATES
```

```
Edinger, Shlomit R., New Haven, CT, UNITED STATES
           Gerlach, Valerie, Branford, CT, UNITED STATES
           Grosse, William, Branford, CT, UNITED STATES
           Guo, Xiaojia, Branford, CT, UNITED STATES
           Gusev, Vladimir, Madison, CT, UNITED STATES
Ji, Weizhen, Branford, CT, UNITED STATES
           LaRochelle, William, Madison, CT, UNITED STATES Lepley, Denise, Branford, CT, UNITED STATES
           Lepley, Denise, Branford, CT, UNITELI, Li, Branford, CT, UNITED STATES
           Liu, Xiaohong, Branford, CT, UNITED STATES
MacDougall, John R., Hamden, CT, UNITED STATES
Malyankar, Uriel M., Branford, CT, UNITED STATES
Millet, Isabelle, Milford, CT, UNITED STATES
           Padigaru, Muralidhara, Branford, CT, UNITED STATES
Patturajan, Meera, Branford, CT, UNITED STATES
Peyman, John A., New Haven, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Rieger, Daniel, Branford, CT, UNITED STATES
Raterbara, Mark F. Clinton, CT, UNITED STATES
           Rothenberg, Mark E., Clinton, CT, UNITED STATES
Shimkets, Richard, Guilford, CT, UNITED STATES
Stone, David J., Guilford, CT, UNITED STATES
Taupier, Raymond, JR., East Haven, CT, UNITED STATES
Vernet, Corine, North Branford, CT, UNITED STATES
Terbusen Branford, CT, UNITED STATES
           Zerhusen, Bryan, Branford, CT, UNITED STATES
           US 2004029150
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PΙ
           US 2003-403676
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                                                   20030331 (10)
AΙ
           Continuation-in-part of Ser. No. US 2000-520781, filed on 8 Mar 2000,
RLI
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           US 1999-123667P
Utility
PRAI
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DT
           APPLICATION
FS
LN.CNT
           14665
           INCLM:
                       435/006.000
INCL
           INCLS: 435/069.100; 435/320.100; 435/325.000; 514/012.000; 530/350.000;
                       536/023.500
NCL
           NCLM:
                       435/006.000
                       435/069.100; 435/320.100; 435/325.000; 514/012.000; 530/350.000;
           NCLS:
                       536/023.500
IC
            [7]
            ICM: C12Q001-68
            ICS: A61K038-17; C12P021-02; C12N005-06; C07K014-47; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 289 OF 441
                                       USPATFULL on STN
L4
AN
            2004:38601 USPATFULL
            Therapeutic polypeptides, nucleic acids encoding same, and methods of
ΤI
           Anderson, David W., Branford, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
Casman, Stacie J., North Haven, CT, UNITED STATES
Gorman, Linda, Branford, CT, UNITED STATES
IN
           Ji, Weizhen, Branford, CT, UNITED STATES
Kekuda, Ramesh, Norwalk, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
            Padigaru, Muralidhara, Branford, CT, UNITED STATES
            Patturajan, Meera, Branford, CT, UNITED STATES
           Pena, Carol E. A., New Haven, CT, UNITED STATES
Shenoy, Suresh G., Branford, CT, UNITED STATES
Shimkets, Richard A., Guilford, CT, UNITED STATES
Stone, David J., Guilford, CT, UNITED STATES
Taupier, Raymond J., JR., East Haven, CT, UNITED STATES
US 2004029140 A1 20040212
ΡI
            US 2003-357820
                                                    20030716 (10)
ΑI
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            Continuation-in-part of Ser. No. US 2000-679460, filed on 4 Oct 2000,
RLI
            ABANDONED Continuation-in-part of Ser. No. US 2000-730617, filed on 5
            Dec 2000, PENDING Continuation-in-part of Ser. No. US 2002-74978, filed
           on 12 Feb 2002, PENDING Continuation-in-part of Ser. No. US 2002-138588, filed on 1 May 2002, PENDING US 2002-387002P 20020607 (60)
PRAI
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                                                             (60)
            US
                                             20020517
                                                            (60)
            US
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                                                            (60)
            US
                 2002-357928P
            US 2002-359860P
                                             20020227 (60)
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D.I.
            Utility
            APPLICÁTION
FS
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            Edinger, Shlomit R., New Haven, CT, UNITED STATES MacDougall, John R., Hamden, CT, UNITED STATES Millet, Isabelle, Milford, CT, UNITED STATES Ellerman, Karen, Branford, CT, UNITED STATES
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            Stone, David J., Guilford, CT, UNITED STATES
Gerlach, Valerie, Branford, CT, UNITED STATES
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            Alsobrook, John P., II, Madison, CT, UNITED STATES
Lepley, Denise M., Branford, CT, UNITED STATES
Rieger, Daniel K., Branford, CT, UNITED STATES
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             Mack, David H., Menlo Park, CA, UNITED STATES
Gish, Kurt C., San Francisco, CA, UNITED STATES
Afar, Daniel, Brisbane, CA, UNITED STATES
Eos Technology, Inc., South San Francisco, CA, UNITED STATES, 94080-7019
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        Shimkets, Richard A., West Haven, CT, United States
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Khramtsov, Nikolai V., Branford, CT, UNITED STATES
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         LaRochelle, William J., Madison, CT,
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         Lichenstein, Henri S., Guilford, CT,
Li, Li, Branford, CT, UNITED STATES
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        Ooi, Chean Eng, Branford, CT, UNITED STATES
Padigaru, Muralidhara, Branford, CT, UNITED STATES
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Classification and prognosis prediction of acute lymphoblastic leukemia
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           Yeoh, Eng-Juh, Singapore, SINGAPORE Wilkins, Dawn E., Oxford, MS, UNITED STATES
           Wong, Limsoon, Singapore, SINGAPORE
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Botstein, David, Belmont, CA, UNITED STATES
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Eaton, Dan L., San Rafael, CA, UNITED STATES
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           Ferrara, Napoleone, San Francisco, CA, UNITED STATES
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          Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
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Genentech, Inc. (U.S. corporation)
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       ICS: C07H021-04; C12N009-00; C12N005-06; C12P021-02; C07K014-435;
       C07K016-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
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                          USPATFULL on STN
       2004:2119
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ΝA
ΤI
       Growth factor homolog ZVEGF4
                 Teresa, Seattle, WA, UNITED STATES
IN
                                         WA, UNITED STATES
       Hart, Charles E., Woodinville,
       Sheppard, Paul O.,
                            Granite Falls, WA,
                                                UNITED STATES
       Gilbertson, Debra G., Seattle,
                                         WA, UNITED STATES
PI
       US 2004002140
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       US 2001-876813
                                  20010606
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       Division of Ser. No. US 2000-564595, filed on 3 May 2000, GRANTED, Pat.
RLI
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       US 1999-164463P
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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          ***Semaphorin***
                              polypeptides
       Spriggs, Melanie K., Seattle, WA, United States
Immunex Corporation, Seattle, WA, United States (U.S. corporation)
IN
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       US 2000-689012
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RLI
       Continuation of Ser. No. WO 1999-US9831, filed on 5 May 1999
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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      ANSWER 299 OF 441
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                       USPATFULL
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AN
        Antisense modulation of VEGF-B expression
TI
        Zhang, Hong, Carlsbad, CA, UNITED STATES
IN
               Kenneth W., Del Mar, CA, UNITED STATES harmaceuticals Inc. (U.S. corporation)
PA
        Isis Pharmaceuticals Inc.
                                    20031218
PΙ
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        US 2003232439
        US 2002-174128
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AI
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FS
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                       USPATFULL
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        2003:330208
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        Molecules interacting with CASL (MICAL) polynucleotides, polypeptides,
        and methods of using the same
        Kolodkin, Alex L., Baltimore, MD, UNITED STATES
IN
        Terman, Jon R., Baltimore, MD, UNITED STATES
        Mao, Tiany, Parkville, MD, UNITED STATES
        Pasterkamp, Ronald J., Baltimore, MD, UNITED STATES
        Yu, Hung-Hsiang, Lynnwood, WA, UNITED STATES
        US 2003232419
US 2003-35901
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                                    20031218
ΑI
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        NCLS:
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AN
        2003:330200
                      USPATFULL
        Novel polypeptide, cDNA encoding the same, and use thereof
Fukushima, Daikichi, Osaka, JAPAN
Shibayama, Shiro, Osaka, JAPAN
TI
IN
              Hideaki, Osaka, JAPAN
        ONO PHARMACEUTICAL CO., LTD.
                                          (non-U.S. corporation)
PA
        US 2003232411
                              A1
                                    20031218
PΙ
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           A 371 of International Ser. No. WO 1998-JP5952, filed on 25 Dec 1998,
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           JP 1997-358811
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           ICS: C12N005-06; C07K014-47; C07K016-18; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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           2003:324309 USPATFULL
AN
TI
           Adeno-associated virus (AAV) serotype 8 sequences, vectors containing
           same, and uses therefor
Gao, Guangping, Rosemont, PA, UNITED STATES
Wilson, James M., Gladwyne, PA, UNITED STATES
Alvira, Mauricio R., Philadelphia, PA, UNITED STATES
The Trustees of the University of Pennsylvania, Philadelphia, PA (U.S.
IN
PA
           corporation)
           US 2003228282
US 2003-423704
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IC
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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AN
TI
           Secreted and transmembrane polypeptides and nucleic acids encoding the
           same
           Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
IN
           Ferrara, Napoleone, San Francisco, CA, UNITED STATES
           Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
          Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
           Stewart, Timothy A., San Francisco, CA, UNITED STATES
           Tumas, Daniel, Orinda, CA, UNITED STATES
           Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
US 2003224478 Al 20031204
US 2002-226254 Al 20020821 (10)
Continuation of Continuation
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           Continuation of Ser. No. US 2001-946374, filed on 4 Sep 2001, PENDING Continuation of Ser. No. WO 2000-US4342, filed on 18 Feb 2000, PENDING
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APPLICATION
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IC
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
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ΑN
           Genes that are up- or down-regulated during differentiation of
TI
               ***human***
                                    embryonic stem cells
           Stanton, Lawrence W., Singapore, SINGAPORE
Brandenberger, Ralph, Menlo Park, CA, UNITED STATES
Gold, Joseph D., San Francisco, CA, UNITED STATES
Irving, John M., San Mateo, CA, UNITED STATES
Mandalam, Ramkumar, Union City, CA, UNITED STATES
Mok, Michael, Palo Alto, CA, UNITED STATES
Chalten Dayro Salt Lake City, UT UNITED STATES
IN
           Shelton, Dawne, Salt Lake City, UT, UNITED STATES US 2003224411 A1 20031204
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PΙ
           US 2003-388578
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IC
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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AN
            Secreted and transmembrane polypeptides and nucleic acids encoding the
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            same
           Baker, Kevin P., Darnestown, MD, UNITED STATES
IN
           Botstein, David, Belmont, CA, UNITED STATES
           Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES
           Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Grimaldi, J. Relmont CA UNITED STATES
            Gurney, Austin L., Belmont, CA, UNITED STATES
           Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
           Hillan, Kenneth J., San Francisco, CA, UNITED STATES
            Genentech, Inc. (U.S. corporation)
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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         Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
IN
         Ferrara, Napoleone, San Francisco, CA, UNITED STATES
         Fong, Sherman, Alameda, CA, UNITED STATES
               Wei-Qiang, Palo Alto, CA, UNITED STATES
         Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
         Grimaldi, J. Christopher, San Francisco, CA,
                                                                     UNITED STATES
         Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED
                                                             UNITED STATES
         Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart Timothy A Can Francisco
         Stewart, Timothy A., San Francisco, CA, UNITED STATES
         Tumas, Daniel, Orinda, CA, UNITED STATES
         Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
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US 2001-15390
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WO 2000-US14941 20000522 WO 2000-US15264 20000530 WO 2000-US15264 20000530 WO 2000-US23322 20000823 WO 2000-US23322 20000823 WO 2000-US23322 20000823 WO 2000-US30952 20001108 WO 2000-US30952 20001108 WO 2000-US30952 20001108 WO 2001-US6666 20010201 WO 2001-US6666 20010301 WO 2001-US17800 20010601 WO 2001-US17800 20010601 WO 2001-US17800 20010620 WO 2001-US21066 20010629 WO 2001-US21066 20010629 WO 2001-US21735 20010709 US 1998-98716P 19980901 (60) US 1998-98729P 19980901 (60) US 1998-9873P 19980901 (60) US 1998-9873P 19980901 (60) US 1998-98750P 19980901 (60) US 1998-98821P 19980901 (60) US 1998-98821P 19980902 (60) US 1998-98843P 19980902 (60) US 1998-98536P 19980909 (60) US 1998-99536P 19980909 (60) US 1998-99534P 19980909 (60) US 1998-99534P 19980909 (60) US 1998-9954P 19980909 (60) US 1998-9956P 19980909 (60) US 1998-9954P 19980909 (60) US 1998-9954P 19980909 (60) US 1998-9956P 19980909 (60) US 1998-9960P 19980909 (60) US 1998-100389 19980909 (60) US 1998-100389 19980909 (60) US 1998-100389 19980909 (60) US 1998-100389 1998091 (60) US 1998-100389 1998091 (60) US 1998-100389 1998091 (60) US 1998-100389 1998091 (60) US 1998-100380 1998091 (60) US 1998-	
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Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
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Botstein, David, Belmont, CA, UNITED STATES
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Wood, William I., Hillsborough, CA, UNITED STATES
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Goddard, Audrey, San Francisco, CA, UNITED STATES
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                 514/012.000; 530/388.100; 536/023.200
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                 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
                 514/012.000; 530/388.100; 536/023.200
IC
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        ICM: A61K038-17
        ICS: G01N033-53; C07H021-04; C12N009-00; C07K014-435; C12P021-02;
        C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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L4
      ANSWER 336 OF 441
        2003:253450
                       USPATFULL
AN
TI
           ***Semaphorin***
                                 receptors
        Tessier-Lavigne, Marc, San Francisco, CA, United States
IN
        He, Zhigang, San Francisco, CA, United States
Chen, Hang, San Francisco, CA, United States
PA
        The Regents of the University of California, Oakland, CA, United States
         (U.S. corporation)
        US 6623738
PI
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                                     20030923
        US 1999-439711
ΑI
                                     19991112 (9)
        Division of Ser. No. US 1997-936135, filed on 24 Sep 1997, now patented, Pat. No. US 6054293 Continuation of Ser. No. US 1997-889458, filed on 8
RLI
        Jul 1997, now abandoned
DT
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FS
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LN.CNT
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        NCLS:
                 435/007.100; 435/332.000; 530/387.900
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EXF
        424/139.1; 424/141.1; 424/148.1; 424/154.1; 424/172.1; 435/7.1; 435/332;
        530/387.9
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 337 OF 441
L4
                            USPATFULL on STN
ΑN
        2003:250947
                        USPATFULL
TI
        Polypeptides having diagnostic, preventive, therapeutic, and other uses Kirst, Susan J., Brookline, MA, UNITED STATES
IN
        Holtzman, Douglas A., Jamaica Plain, MA, UNITED STATES
        Fraser, Christopher C., Lexington, MA, UNITED STATES
        Sharp, John D., Arlington, MA, UNITED STATES Barnes, Thomas S., Boston, MA, UNITED STATES
        MILLENNIUM PHARMACEUTICALS, INC., Cambridge, MA, UNITED STATES, 02139
PA
         (U.S. corporation)
US 2003175733
PΙ
                                     20030918
        US 2002-188495
AΙ
                               Α1
                                     20020702
                                                (10)
        Division of Ser. No. US 2000-596194, filed on 16 Jun 2000, PENDING Continuation-in-part of Ser. No. US 1999-342364, filed on 29 Jun 1999,
RLI
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D.I.
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          INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
                    536/023.200
NCL
          NCLM:
                    435/006.000
                   435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
          NCLS:
                    536/023.200
IC
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          ICM: C12Q001-68
          ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 338 OF 441 USPATFULL on STN
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          2003:244875 USPATFULL
TI
          Peptides blocking vascular endothelial growth factor (VEGF)-mediated
          angiogenesis, polynucleotides encoding said peptides and methods of use
          thereof
         Tournaire, Roselyne, La Gaude, FRANCE
Demangel, Caroline, Coogee, AUSTRALIA
Derbin, Claude, Gif Sur Yvette, FRANCE
IN
          Perret, Gerard, Montmorency, FRANCE
         Mazie, Jean-Claude, Asnieres Sur Seine, FRANCE
          Plouet, Jean, Toulouse, FRANCE
         Vassy, Roger, Paris, FRANCE
INSTITUT PASTEUR, Paris Cedex, FRANCE (non-U.S. corporation)
US 2003171289 Al 20030911
US 2003-342371 Al 20030115 (10)
PA
PΙ
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         Division of Ser. No. US 2001-822270, filed on 2 Apr 2001, GRANTED, Pat.
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                   514/016.000
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          ICS: A61K038-08; C07K007-06; C12P021-02; C12N001-21; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
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         Secreted and transmembrane polypeptides and nucleic acids encoding the
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         Baker, Kevin P., Darnestown, MD, UNITED STATES Botstein, David, Belmont, CA, UNITED STATES
IN
         Desnoyers, Luc, San Francisco, CA, UNITED STATES
         Eaton, Dan L., San Rafael, CA, UNITED STATES
         Ferrara, Napoleone, San Francisco, CA, UNITED STATES
         Ferrara, Napoleone, San Francisco, CA, UNITED STATE Fong, Sherman, Alameda, CA, UNITED STATES Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Godowski, Paul J., Hillsborough, CA, UNITED STATES Grimaldi, J. Christopher, San Francisco, CA, UNITED Gurney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATE Pan. James. Belmont, CA, UNITED STATES
                                                                       UNITED STATES
                                                               UNITED STATES
         Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
         Roy, Margaret Ann, San Francisco, CA, UNITED STATES
         Smith, Victoria, Burlingame, CA, UNITED STATES
         Stewart, Timothy A., San Francisco, CA, UNITED STATES
         Tumas, Daniel, Orinda, CA, UNITED STATES
         Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I, Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
PA
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         US 2003170718
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         Continuation of Ser. No. US 2001-946374, filed on 4 Sep 2001, PENDING
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US 1999-162506P
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LN.CNT
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INCL
          INCLM: 435/007.100
          INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 514/012.000;
                    530/388.100; 530/350.000; 536/023.200
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          NCLM:
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          NCLS:
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                    530/388.100; 530/350.000; 536/023.200
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          ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435;
          C07K016-40; A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 340 OF 441
                                  USPATFULL on STN
AN
          2003:239322
                           USPATFULL
TI
                     ***semaphorin***
                                                 Z and gene encoding the same
          Kimura, Toru, Kūsatsu, JAPAN
IN
          Kikuchi, Kaoru, Takaraduka, JAPAN
PA
          Sumitomo Pharmaceuticals Company, Limited (non-U.S. corporation)
          US 2003167482
US 2003-391413
PΙ
                                     Α1
                                            20030904
ΑI
                                     A1
                                            20030319 (10)
          Division of Ser. No. US 1998-77940, filed on 5 Jun 1998, GRANTED, Pat. No. US 6576441 A 371 of International Ser. No. WO 1996-JP3517, filed on
RLI
          2 Dec 1996, UNKNOWN
          JP 1995-345187
PRAI
                                       19951206
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DT
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FS
          APPLICATION
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NCLM: 800/008.000
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          ICM: A01K067-00
          ICS: C07K014-47
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 341 OF 441
                                  USPATFULL on STN
AN
          2003:238743
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TI
          Secreted and transmembrane polypeptides and nucleic acids encoding the
         Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
IN
          Ferrara, Napoleone, San Francisco, CA, UNITED STATES
          Fong, Sherman, Alameda, CA, UNITED STATES
          Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
          Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
         Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
          Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
          Stewart, Timothy A., San Francisco, CA, UNITED STATES
          Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Park CA, UNITED
          Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hillsborough, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
PA
          US 2003166901
PΙ
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          US 2001-15392
ΑI
                                     Α1
                                            20011212
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          Continuation of Ser. No. US 2001-946374, filed on 4 Sep 2001, PENDING Continuation of Ser. No. WO 2000-US4342, filed on 18 Feb 2000, PENDING
RLI
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A 371 of International Ser. No. WO 1999-US20111, filed on 1 Sep 1999,
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                 435/183.000
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        ICM: C12P021-02
        ICS: C12N005-06; C07K014-47; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T.4
      ANSWER 342 OF 441
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ΑN
        2003:238691 USPATFULL
TI
           ***Semaphorin***
                                 gene family
        Goodman, Corey S., Berkeley, CA, UNITED STATES Kolodkin, Alex L., Berkeley, CA, UNITED STATES Matthes, David, Berkeley, CA, UNITED STATES Bentley, David R., Berkeley, CA, UNITED STATES O'Connor, Timothy, Berkeley, CA, UNITED STATES US 2003166849 A1 20030904
IN
PΙ
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        US 2002-67632
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                                               (10)
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        Pat. No. US 6344544 Continuation of Ser. No. US 1997-835268, filed on 8
        Apr 1997, GRANTED, Pat. No. US 5807826 Division of Ser. No.
        1993-121713, filed on 13 Sep 1993, GRANTED, Pat. No. US 5639856
DT
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                530/350.000
        NCLM:
                530/324.000; 530/326.000; 530/327.000; 530/328.000; 530/329.000
        NCLS:
IC
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        ICM: C07K014-435
        ICS: C07K007-08; C07K007-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 343 OF 441
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AN
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TI
        Nerve regeneration promoters containing
                                                        ***semaphorin***
                                                                               inhibitor
        as the active ingredient
IN
        Kimura, Toru, Shiga, JAPAN
        Kikuchi, Kaoru, Hyogo, JAPAN
        Kumagai, Kazuo, Hyogo, JAPAN
        Hosotani, Nobuo, Hyogo, JAPAN
Kishino, Akiyoshi, Osaka, JAP
                                     JAPAN
PΙ
        US 2003166711
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        US 2003-343125
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        WO 2001-JP6501
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INCLS: 549/392.000; 435/254.500; 435/125.000; 530/350.000
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        ICS: C07D047-02; C07K014-47; C12P017-06; C12N001-16
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T.4
     ANSWER 344 OF 441
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AN
        2003:237898
                      USPATFULL
ΤI
        Secreted and transmembrane polypeptides and nucleic acids encoding the
        same
IN
        Baker, Kevin P., Darnestown, MD, UNITED STATES
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Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES
           Ferrara, Napoleone, San Francisco, CA, UNITED STATES Fong, Sherman, Alameda, CA, UNITED STATES Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Godowski, Paul J., Hillsborough, CA, UNITED STATES Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES Gurney, Austin L. Belmont, CA, UNITED STATES
                                                                                   UNITED STATES
           Gurney, Austin L., Belmont, CA, UNITED STATES
           Hillan, Kenneth J., San Francisco, CA, UNITED STATES
          Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
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ΑI
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           Sep 1999,
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INCL
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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AN
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           Nucleic acids encoding CD100 molecules
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           Hall, Kathryn T., Boston, MA, UNITED STATES
           Freeman, Gordon J., Brookline, MA, UNITED STATES
           Schultze, Joachim L., Brookline, MA, UNITED STATES
Boussiotis, Vassiliki A., Brookline, MA, UNITED STATES
           Nadler, Lee M., Newton, MA, UNITED STATES
           Dana-Farber Cancer Institute (U.S. corporation)
PA
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           Continuation of Ser. No. US 1995-556422, filed on 9 Nov 1995, GRANTED,
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           Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES
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Fong, Sherman, Alameda, CA, UNITED STATES

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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         Wilson, James M., Gladwyne, PA, UNITED STATES
         Alvira, Mauricio R., Philadelphia, PA, UNITED STATES
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         Song, Hong-jun, La Jolla, CA, UNITED STATES
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        Poo, Mu-ming, La Jolla, CA, UNITED STATES
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       Alitalo, Kari, Helsinki, FINLAND
IN
       Eriksson, Ulf,
                        Stockholm, SWEDEN
       Olofsson, Brigitta, San Francisco, CA, UNITED STATES
Makinen, Taija, Helsinki, FINLAND
       Ludwig Institute for Cancer Research, New York, NY, UNITED STATES, 10158
PA
        (non-U.S. corporation)
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        Wilson, James M.,
        The Trustees of the University of Pennsylvania, Philadelphia, PA (U.S.
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Botstein, David, Belmont, CA, UNITED STATES
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        Reducing myelin-mediated inhibition of axon regeneration
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        He, Zhigang, Boston, MA, UNITED STATES
IN
        Wang, Kevin C., Boston, MA, UNITED STATES Koprivica, Vuk, Boston, MA, UNITED STATES
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Karkkainen, Marika, Helsinki, FINLAND
Karila, Kaisa, Espoo, FINLAND
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          Baker, Kevin P., Darnestown, MD, UNITED STATES
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        Spriggs, Melanie K., Seattle, WA, United States
Comeau, Michael R., Seattle, WA, United States
DuBose, Robert F., Bellevue, WA, United States
Johnson, Richard S., Mercer Island, WA, United States
Immuney Corporation, Seattle, WA, United States
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         Immunex Corporation, Seattle, WA, United States (U.S. corporation)
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            WRIGHT, JIM A., TORONTO, CANADA YOUNG, AIPING H., TORONTO, CANADA
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      ANSWER 398 OF 441
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        NUCLEIC ACIDS ENCODING CD100 MOLECULES
HALL, KATHRYN T., BOSTON, MA, UNITED STATES
FREEMAN, GORDON J., BROOKLINE, MA, UNITED STATES
SCHULTZE, JOACHIM L., BROOKLINE, MA, UNITED STATES
BOUSSIOTIS, VASSILIKI A., BROOKLINE, MA, UNITED ST.
TI
IN
                                                  MA, UNITED STATES
        NADLER, LEE M., NEWTON, MA, UNITED STATES
        DANA-FARBER CANCER INSTITUTE (U.S. corporation)
PA
PΙ
        US 2003044416
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 399 OF 441
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        Growth factor homolog zvegf3
IN
        Gao, Zeren, Redmond, WA, United States
              Charles E., Woodinville, WA, United States
        Piddington, Christopher S., Thousand Oaks, CA, United States
        Sheppard, Paul O., Granite Falls, WA, United States
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Glibertson, Debra G., Seattle, WA, United States
         West, James W., Seattle, WA, United States
ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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         2003:53651 USPATFULL
         Diagnostics and therapy based on vascular mimicry Hendrix, Mary J. C., 7 Cherry La., NE., Iowa City, IA, United States
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
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AN
         2003:44760 USPATFULL
        Methods for diagnosing and treating alzheimer's disease and parkinson's
ΤI
IN
         Good, Paul F., Chappaqua, NY, UNITED STATES
        Kohtz, D. Stave, Astoria, NY, UNITED STATES
        Mt. Sinai School of Medicine (U.S. corporation) US 2003032070 Al 20030213
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TI
        Neuropilin/growth factor complexes and uses thereof
        Alitalo, Kari, Helsinki, FINLAND
Eriksson, Ulf, Stockholm, SWEDEN
IN
        Olofsson, Birgitta, Stockholm, SWEDEN
Makinen, Taija, Helsinki, FINLAND
Licentia Ltd., Helsinki, FINLAND (non-U.S. corporation)
PA
        Ludwig Institute for Cancer Research, New York, NY, United States (U.S.
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        Compositions and methods useful for non-invasive delivery of therapeutic
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        molecules to the bloodstream
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        Wilson, James M., Gladwyne, PA, UNITED STATES
        Auricchio, Alberto, Philadelphia, PA, UNITED STATES
        Hildinger, Markus, Evanston, IL, UNITED STATES US 2003013189 A1 20030116
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
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AN
        Stimulation of vascularization with VEGF-B Eriksson, Ulf, Stockholm, SWEDEN Li, Xuri, Stockholm, SWEDEN Carmeliet, Peter, Zwijnaarde, BELGIUM
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IN
        Collen, Desire, Zwijnaarde, BELGIUM
        Ludwig Institute for Cancer Research, New York, NY (non-U.S.
PA
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        Novel nucleic acid sequences encoding
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        Shimkets, Richard A., West Haven, CT, UNITED STATES
CuraGen Corporation, New Haven, CT, UNITED STATES, 06511 (U.S.
IN
PA
        corporation)
PΙ
        US 2003003532
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Gilbert, Teresa, Seattle, WA, United States
Hart, Charles E., Woodinville, WA, United States
Sheppard, Paul O., Granite Falls, WA, United States
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 IN
          Gilbertson, Debra G., Seattle, WA, United States
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          ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)
US 6495668
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EXF 435/69.4; 435/375; 435/377; 514/2; 530/350; 530/402; 530/387.1; 530/399

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            ***Semaphorin***
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         Luo, Yuling, South San Francisco, CA, UNITED STATES Xu, Xiaomei, South San Francisco, CA, UNITED STATES
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         Gao, Zeren, Redmond, WA, UNITED STATES
IN
         Hart, Charles E., Woodinville, WA, UNITED STATES
        Piddington, Christopher S., Thousand Oaks, CA, UNITED STATES Sheppard, Paul O., Granite Falls, WA, UNITED STATES Shoemaker, Kimberly E., Bellevue, WA, UNITED STATES Gilbertson, Debra G., Seattle, WA, UNITED STATES
         West, James W., Seattle, WA, UNITED STATES ZymoGenetics, Inc. (U.S. corporation)
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        Division of Ser. No. US 1999-457066, filed on 7 Dec 1999, PENDING
RLI
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 L4
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          2002:294624
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 ΤI
          VEGFR-3 inhibitor materials and methods
 IN
         Alitalo, Kari, Helsinki, FINLAND
         Koivunen, Erkki, Helsinki, FINL
Kubo, Hajime, Helsinki, FINLAND
US 2002164667 A1 2002110
                     Erkki, Helsinki, FINLAND
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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         Materials and methods involving hybrid vascular endothelial growth
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        Alitalo, Kari, Helsinki, FINLAND
Jeltsch, Markku Michael, Helsinki, FINLAND
US 2002151680 A1 20021017
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        Inagaki, Shinobu, Ibaraki-shi, JAPAN
IN
        Furuyama, Tatsuo, Ibaraka-shi, JAPAN
Sumitomo Pharmaceuticals Company, Limited (non-U.S. corporation)
PA
PΙ
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ΑI
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        Division of Ser. No. US 1999-308179, filed on 14 May 1999, PENDING A 371 of International Ser. No. WO 1997-JP4111, filed on 12 Nov 1997, UNKNOWN
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C12NUU5-U6; CU7HU21-U4; CU7KU14-435
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           Promoters of neural regeneration
  IN
           Song, Hong-Jun, La Jolla, CA, UNITED STATES
           Poo, Mu-Ming, La Jolla, CA, UNITED STATES Ming, Guo-Li, La Jolla, CA, UNITED STATES Tessier-Lavigne, Marc, San Francisco, CA,
                                                                  UNITED STATES
           He, Zhigang, San Francisco, CA, UNITÉD STATES
US 2002142990 A1 20021003
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          Continuation of Ser. No. US 2001-900268, filed on 6 Jul 2001, PENDING Division of Ser. No. US 1998-145820, filed on 2 Sep 1998, GRANTED, Pat.
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 TI
          Antagonists of neuropilin receptor function and use thereof
          Klagsbrun, Michael, Newton, MA, UNITED STATES Soker, Shay, Brookline, MA, UNITED STATES Miao, Hua-Quan, Brookline, MA, UNITED STATES Takashima, Seiji, Osaka, JAPAN US 2002132774 Al 20020919
 IN
 PΙ
          US 2002-104440
 AI
                                   A1
                                          20020322 (10)
          Continuation of Ser. No. US 2000-580803, filed on 30 May 2000, ABANDONED Continuation of Ser. No. WO 1998-US26114, filed on 9 Dec 1998, UNKNOWN
 RLI
 PRAI
          US 1997-69155P
                                    19971209 (60)
          US 1997-69687P
                                    19971212 (60)
          US 1998-78541P
                                    19980319 (60)
DT
          Utility
FS
          APPLICÂTION
LN.CNT
         2174
INCL
          INCLM: 514/012.000
NCL
         NCLM:
                   514/012.000
IC
          [7]
          ICM: A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 414 OF 441
                               USPATFULL on STN
AN
         2002:221802
                         USPATFULL
         Use of Ulip-and/or Ulip2 in the treatment of myelin disorders Aguera, Michelle, Caluire, FRANCE
TI
ΙN
         Belin, Marie-Francoise, Lyon, FRANCE
Charrier, Emmanuelle, Les Herbiers, FRANCE
         Honorat, Jerome, Brion, FRANCE Ricard, Damien, Lyon, FRANCE
         Rogemond, Veronique, Lyon, FRANCE
ΡI
         US 2002119944
US 2001-986632
                                 A1
                                         20020829
ΑI
                                         20011109 (9)
                                  Α1
         US 2000-246751P
PRAI
                                  20001109 (60)
DT
         Utility
FS
         APPLICATION
LN.CNT
         2259
INCL
         INCLM: 514/044.000
         INCLS: 514/012.000; 424/146.100
NCL
         NCLM:
                  514/044.000
         NCLS:
                  514/012.000; 424/146.100
IC
         [7]
         ICM: A61K048-00
         ICS: A61K038-17; A61K039-395
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
```

```
AN
          2002:209328
                          USPATFULL
 TI
             ***Semaphorin***
                                     genes (I)
 IN
          Inagaki, Shinobu, Ibaraki, JAPAN
Furuyama, Tatsuo, Ibaraki, JAPAN
          Sumitomo Pharmaceuticals Company, Limited, Osaka, JAPAN (non-U.S.
 PΑ
          corporation)
 PΙ
          US 6436669
                                         20020820
                                  B1
          WO 9822504
                          19980528
          US 1999-308179
 AΙ
                                         19990514
          WO 1997-JP4111
                                         19971112
                                         19990514
                                                      PCT 371 date
          JP 1996-321068
Utility
 PRAI
                                    19961115
 DT
 FS
          GRANTED
 LN.CNT
         1272
 INCL
          INCLM: 435/069.100
          INCLS: 435/320.100; 435/325.000; 435/455.000; 536/023.100; 536/023.500;
                   424/093.200; 424/093.210
 NCL
                   435/069.100
          NCLM:
                   424/093.200; 424/093.210; 435/320.100; 435/325.000; 435/455.000;
          NCLS:
                   536/023.100; 536/023.500
 IC
          ICM: C12P021-06
         ICS: C12N015-00; C12N015-63; A01N063-00; C07H021-04
536/23.1; 536/23.5; 435/320.1; 435/325; 435/69.1; 435/252.3; 435/455;
514/1; 800/13; 424/93.2; 424/93.21
 EXF
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 416 OF 441
                               USPATFULL on STN
AN
         2002:201870 USPATFULL
 TI
         Growth factor homolog ZVEGF3
 IN
         Gao, Zeren, Redmond, WA, United States
               , Charles E., Woodinville, WA, United States
         Piddington, Christopher S., Thousand Oaks, CA, United States Sheppard, Paul O., Granite Falls, WA, United States Shoemaker, Kimberly E., Bellevue, WA, United States Gilbertson, Debra G., Seattle, WA, United States West, James W., Seattle, WA, United States ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporated States)

US 6432673

Bl 20020813
PA
                                                   United States (U.S. corporation)
PΙ
ΑI
         US 1999-457066
                                        19991207
                                                    (9)
         US 1998-111173P
PRAI
                                   19981207 (60)
         US
             1999-142576P
                                   19990706 (60)
         US 1999-161653P
                                   19991021
                                               (60)
         US 1999-165255P
                                   19991112 (60)
         Utility
DT
FS
         GRANTEĎ
LN.CNT
         4888
INCL
         INCLM: 435/069.100
         INCLS: 435/069.500; 435/006.000; 435/320.100; 435/325.000; 530/351.000;
                  530/399.000
NCL
         NCLM:
                  435/069.100
                  435/006.000; 435/069.500; 435/320.100; 435/325.000; 530/351.000;
         NCLS:
                  530/399.000
IC
         [7]
         ICM: C12N015-00
EXF 435/69.1; 435/69.5; 435/325; 530/351; 530/399 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 417 OF 441
L4
                              USPATFULL on STN
ΑN
         2002:194704
                        USPATFULL
ΤI
         Screening assays for the interaction of
                                                               ***semaphorins***
                                                                                         and
         neuropilins
IN
         Ginty, David D., Columbia, MD, United States
         Kolodkin, Alex L., Baltimore, MD, United States
         The Johns Hopkins University, Baltimore, MD, United States (U.S.
PA
         corporation)
PI
         US 6428965
                                        20020806
         US 1998-116473
ΑI
                                        19980716
                                                   (9)
PRAI
         US 1997-52762P
                                  19970717 (60)
DT
         Utility
FS
         GRANTED
LN.CNT
         1440
INCL
         INCLM: 435/007.100
         INCLS: 435/007.200; 435/007.210; 435/007.800; 435/021.000
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NCLS: 435/007.200; 435/007.210; 435/007.800; 435/021.000
 IC
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         ICM: G01N033-53
 ICS: G01N033-537; G01N033-566; G01N033-567; C12Q001-42
EXF 435/7.1; 435/7.2; 435/7.21; 435/7.8; 435/21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4
       ANSWER 418 OF 441
                           USPATFULL on STN
 AN
         2002:157101
                       USPATFULL
 TI
         Snake venom polypeptide zsnk1
 IN
         Sheppard, Paul O., Granite Falls, WA, UNITED STATES
 PI
         US 2002081700
                              A1
                                     20020627
 ΑI
         US
            2001-923995
                               Α1
                                     20010807 (9)
         US 2000-223164P
 PRAI
                                20000807 (60)
         Utility
 DT
 FS
         APPLICATION
 LN.CNT
        3778
 INCL
         INCLM: 435/200.000
         INCLS: 435/325.000; 536/023.200; 435/226.000; 435/320.100
NCL
                 435/200.000
         NCLM:
                 435/325.000; 536/023.200; 435/226.000; 435/320.100
         NCLS:
 IC
         [7]
         ICM: C12N009-24
         ICS: C12N009-64; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 419 OF 441
                           USPATFULL on STN
        2002:133839 USPATFULL
AN
TI
        Peptides blocking vascular endothelial growth factor (VEGF) -mediated
        angiogenesis, polynucleotides encoding said peptides and methods of use
        thereof
IN
        Tournaire, Roselyne, La Gaude, FRANCE
        Demangel, Caroline, Coogee NSW, AUSTRALIA
Derbin, Claude, Gif Sur Yvette, FRANCE
Perret, Gerard, Montmorency, FRANCE
        Mazie, Jean-Claude, Asnieres Sur Seine, FRANCE
        Plouet, Jean,
                        Toulouse, FRANCE
        Vassy, Roger, Paris, FRANCE
ΡI
        US 2002068697
                              A1
                                    20020606
        US 6559126
                              B2
                                    20030506
AΙ
        US 2001-822270
US 2000-193396P
                                    20010402 (9)
                              A1
PRAI
                               20000331 (60)
        Utility
DT
FS
        APPLICATION
LN.CNT
        1368
INCL
        INCLM: 514/012.000
        INCLS: 435/007.100; 435/069.400; 536/023.500; 530/399.000; 435/325.000;
                435/252.300
NCL
                514/016.000
        NCLM:
                435/004.000; 435/007.100; 435/DIG.035; 514/002.000; 530/329.000;
        NCLS:
                530/350.000; 536/023.100; 536/023.510
IC
        [7]
        ICM: A61K038-08
        ICS: G01N033-53; C07H021-04; C12N005-06; C12N001-21; C07K007-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 420 OF 441
                           USPATFULL on STN
AN
        2002:72853
                      USPATFULL
TI
        Use of inhibitors of the activation of CXCR4 receptor by SDF-1 in
        treating rheumatoid arthritis
IN
        Winchester, Robert J., New York, NY, UNITED STATES
        Seki, Tetsunori, Roosevelt Island, NY, UNITED STATES Gulko, Percio Saltz, Riverdale, NY, UNITED STATES
PI
        US 2002039993
US 2001-773876
                             Α1
                                   20020404
AI
                             Α1
                                   20010131 (9)
RLI
        Continuation of Ser. No. WO 1999-US17178, filed on 29 Jul 1999, UNKNOWN
        Continuation-in-part of Ser. No. US 1998-127651, filed on 31 Jul 1998,
        ABANDONED
        Utility
DT
FS
        APPLICATION
LN.CNT
        973
INCL
        INCLM: 514/002.000
        INCLS: 424/142.100; 424/133.100
NCL
        NCLM:
                514/002.000
        NCLS:
                424/142.100; 424/133.100
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ICM: A61KU38-17
ICS: A61K039-395
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 421 OF 441
 L4
                              USPATFULL on STN
 AN
          2002:67198 USPATFULL
            ***Human***
 TI
                                ***semaphorin***
                                                         L (H-SemaL) and corresponding
             ***semaphorins***
                                      in other species
 IN
          Fleckenstein, Bernhard, Wiesenthau, GERMANY, FEDERAL REPUBLIC OF
          Ensser, Armin, Nurnberg, GERMANY, FEDERAL REPUBLIC OF US 2002037851 A1 20020328
         US 2002037851
US 2001-836077
 PΙ
 ΑI
                                  A1
                                        20010416 (9)
          Continuation of Ser. No. US 1998-112904, filed on 9 Jul 1998, ABANDONED
 RLI
 PRAI
         DE 1997-19729211
                                   19970709
         DE 1998-19805371
                                   19980211
         Utility
 DT
         APPLICATION
 FS
 LN.CNT 4333
 INCL
         INCLM: 514/012.000
         INCLS: 530/350.000; 536/023.500; 435/069.100; 435/325.000
NCL
         NCLM:
                  514/012.000
                  530/350.000; 536/023.500; 435/069.100; 435/325.000
         NCLS:
 IC
          [7]
         ICM: C07K014-435
         ICS: C07H021-04; C12P021-02; C12N005-06; A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 422 OF 441
                              USPATFULL on STN
AN
         2002:32229 USPATFULL
         Compositions and methods for helper-free production of recombinant
TI
         adeno-associated viruses
IN
         Gao, Guangping, Rosemont, PA, UNITED STATES
         Wilson, James M., Gladwyne, PA, UNITED STATES
PI
         US 2002019050
                                        20020214
                                 A1
         US 6485966
                                 B2
                                        20021126
ΑI
         US 2001-826510
                                 A1
                                        20010405 (9)
         Division of Ser. No. US 1999-404555, filed on 23 Sep 1999, GRANTED, Pat. No. US 6258595 Continuation-in-part of Ser. No. WO 1999-US5870, filed on
RLI
         18 Mar 1999, UNKNOWN
DT
         Utility
FS
         APPLICATION
LN.CNT
         1413
         INCLM: 435/456.000
INCLS: 435/235.100
NCLM: 435/320.100
NCLS: 435/235.100; 435/239.000; 435/325.000; 435/455.000; 435/466.000; 514/044.000; 536/023.100
INCL
NCL
IC
         ICM: C12N015-861
         ICS: C12N007-01
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 423 OF 441 USPA
2002:24364 USPATFULL
L4
                             USPATFULL on STN
ΑN
TI
            ***Semaphorin***
                                  -specific antibodies
        Goodman, Corey S., Berkeley, CA, United States
Kolodkin, Alex L., Berkeley, CA, United States
Matthes, David, Berkeley, CA, United States
Bentley, David R., Berkeley, CA, United States
O'Connor, Timothy, Berkeley, CA, United States
The Regents of the University of California, Oakland, CA, United States
IN
PA
         (U.S. corporation)
        US 6344544
US 1998-60610
ΡĮ
                                 В1
                                       20020205
AΙ
                                       19980415 (9)
        Continuation of Ser. No. US 1997-835268, filed on 8 Apr 1997, now
RLI
        patented, Pat. No. US 5807826 Division of Ser. No. US 1993-121713, filed
         on 13 Sep 1993, now patented, Pat. No. US 5639856
        Utility
DT
FS
        GRANTED
LN.CNT
        3635
INCL
         INCLM: 530/387.900
        INCLS: 424/139.100
NCL
        NCLM:
                 530/387.900
        NCLS:
                 424/139.100
IC
         [7]
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ICS: CU/KU16-18
424/138.1; 424/139.1; 530/387.9
 EXF
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 424 OF 441 USPATFULL on STN
 L4
           2002:12535 USPATFULL
 AN
           Promoters of neural regeneration
 TI
 IN
           Song, Hong-jun, La Jolla, CA, UNITED STATES
           Poo, Mu-Ming, La Jolla, CA, UNITED STATES Ming, Guo-li, La Jolla, CA, UNITED STATES
           Tessier-Lavigne, Marc, San Francisco, CA, UNITED STATES
           He, Zhigang, San Francisco, CA, UNITED STATES US 2002006916 Al 20020117
 PI
           US 6512004
                                      B2
                                             20030128
           US 2001-900268
 AI
                                      Α1
                                             20010706 (9)
          Division of Ser. No. US 1998-145820, filed on 2 Sep 1998, GRANTED, Pat.
 RLI
          No. US 6268352
           Utility
 DT
          APPLICATION
 FS
 LN.CNT 1042
 INCL
           INCLM: 514/047.000
          INCLS: 514/231.500; 514/185.000; 514/262.000; 514/424.000; 514/509.000
NCL
          NCLM:
                     514/455.000
                    514/042.000; 514/047.000; 514/048.000; 514/085.000; 514/174.000; 514/183.000; 514/192.000; 514/211.120; 514/220.000; 514/227.200; 514/248.000; 514/263.380; 514/376.000; 514/423.000; 514/453.000
          NCLS:
 IC
           [7]
          ICM: A61K031-7105
          ICS: A61K031-5377; A61K031-555; A61K031-4015; A61K031-522; A61K031-21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 425 OF 441
                                  USPATFULL on STN
AN
          2001:224215 USPATFULL
TI
             ***Human***
                                    ***semaphorin***
                                                               ZSMF-16
          Holloway, James L., Seattle, WA, United States Foley, Kevin P., Cambridge, MA, United States
IN
          US 2001049432
PΙ
                                             20011206
                                     A1
AΙ
          US 2000-731179
                                     Α1
                                             20001206 (9)
PRAI
          US 1999-169238P
                                      19991206 (60)
DT
          Utility
FS
          APPLICÂTION
LN.CNT
          3805
INCL
          INCLM: 530/350.000
          INCLS: 435/069.700; 435/325.000; 536/023.500; 530/388.230; 435/006.000
NCL
                    530/350.000
          NCLM:
                    435/069.700; 435/325.000; 536/023.500; 530/388.230; 435/006.000
          NCLS:
IC
          [7]
          ICM: C12Q001-68
          ICS: C07H021-04; C12P021-04; C07K014-435; C07K016-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
I.4
       ANSWER 426 OF 441 USPATFULL on STN
AN
          2001:121459 USPATFULL
TI
          Promoters of neural regeneration
         Song, Hong-jun, La Jolla, CA, United States
Poo, Mu-Ming, La Jolla, CA, United States
Ming, Guo-li, La Jolla, CA, United States
Tessier-Lavigne, Marc, San Francisco, CA, United States
He, Zhigang, San Francisco, CA, United States
The Regents of the University of California, Oakland, CA, United States
IN
PA
          (U.S. corporation)
PΙ
          US 6268352
                                     B1
                                            20010731
ΑI
          US 1998-145820
                                            19980902 (9)
DT
          Utility
FS
          GRANTED
LN.CNT
          886
INCL
          INCLM: 514/047.000
                   514/042.000; 514/048.000; 514/183.000; 514/192.000; 514/220.000; 514/211.120; 514/227.200; 514/248.000; 514/263.000; 514/274.000; 514/376.000; 514/423.000; 514/453.000; 435/375.000
          INCLS:
NCL
          NCLM:
                    514/047.000
                   435/375.000; 514/042.000; 514/048.000; 514/183.000; 514/185.000; 514/192.000; 514/211.120; 514/220.000; 514/227.200; 514/248.000; 514/263.340; 514/274.000; 514/376.000; 514/423.000; 514/453.000
          NCLS:
IC
          [7]
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ICS: A61KU31-40; A61KU31-33

EXF 514/42; 514/47; 514/48; 514/183; 514/192; 514/220; 514/211.12;

514/227.2; 514/263; 514/274; 514/248; 514/376; 514/423; 514/453; 435/375

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 427 OF 441
 L4
                                  USPATFULL on STN
 AN
           2001:107680 USPATFULL
 TI
           Compositions and methods for helper-free production of recombinant
           adeno-associated viruses
 IN
           Gao, Guang-Ping, Havertown, PA, United States Wilson, James M., Gladwyne, PA, United States
           The Trustees of the University of Pennsylvania, Philadelphia, PA, United
 PA
           States (U.S. corporation)
 PI
           US 6258595
                                            20010710
                                     В1
           US 1999-404555
 AI
                                            19990923 (9)
           Continuation-in-part of Ser. No. WO 1999-US5870, filed on 18 Mar 1999
 RLI
 DT
           Utility
 FS
           GRANTED
 LN.CNT
          1417
           INCLM: 435/320.100
 INCL
           INCLS: 435/325.000; 435/239.000; 435/455.000; 435/466.000; 536/023.100;
                    514/044.000
 NCL
          NCLM:
                    435/320.100
          NCLS:
                    435/239.000; 435/325.000; 435/455.000; 435/466.000; 514/044.000;
                    536/023.100
 IC
           [7]
          ICM: C12N015-86
ICS: C12N015-00; C12N005-00; C07H021-04; A61K048-00 EXF 435/320.1; 435/239; 435/325; 435/455; 435/456; 536/23.1; 514/44 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 428 OF 441
                                  USPATFULL on STN
AN
          2001:63662 USPATFULL
 ΤI
             ***Semaphorin***
          Luo, Yuling, South San Francisco, CA, United States Xu, Xiaomei, South San Francisco, CA, United States
 IN
PA
          Exelixis Pharmaceuticals, Inc., South San Francisco, CA, United States
           (U.S. corporation)
          ÚS 6225285
PΙ
                                    В1
                                            20010501
ΑI
          US 1998-41236
                                            19980311 (9)
DT
          Utility
FS
          Granted
LN.CNT
          771
INCL
          INCLM: 514/012.000
          INCLS: 514/014.000; 530/300.000; 530/324.000; 530/325.000; 530/326.000; 530/327.000; 530/333.000; 530/344.000; 530/350.000; 435/007.100; 435/007.200; 435/073.400
NCL
                    514/012.000
          NCLM:
                    435/007.100; 435/007.200; 514/014.000; 530/300.000; 530/324.000; 530/325.000; 530/326.000; 530/327.000; 530/333.000; 530/344.000;
          NCLS:
                    530/350.000
IC
          [7]
          ICM: A61K038-00
          ICS: C07K014-00; C07K016-00; C07K017-00; C07K005-00
          514/12; 514/14; 530/300; 530/324; 530/325; 530/326; 530/327; 530/333; 530/344; 530/350; 435/7.1; 435/7.2; 435/7.21; 435/73.4
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 429 OF 441
                                 USPATFULL on STN
AN
          2001:22355
                          USPATFULL
TI
          Viral encoded
                                ***semaphorin***
                                                          protein receptor polypeptides
         Spriggs, Melanie K., Seattle, WA, United States
Comeau, Michael R., Seattle, WA, United States
DuBose, Robert F., Bellevue, WA, United States
Johnson, Richard S., Mercer Island, WA, United States
Tomburey Corporation, Control WA, United States
IN
PA
          Immunex Corporation, Seattle, WA, United States (U.S. corporation)
PI
          US 6187909
                                   B1
                                           20010213
         US 1999-459066
AΙ
                                           19991210 (9)
         Division of Ser. No. US 1998-181706, filed on 28 Oct 1998, now patented,
RLI
         Pat. No. US 6130068 Continuation of Ser. No. US 1997-958598, filed on 28
         Oct 1997
PRAI
          US 1998-112009P
                                     19981026 (60)
DT
          Utility
FS
         Granted
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LN.CNT 1876

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INCLS: 530/300.000; 530/402.000; 435/069.100; 536/023.100; 424/192.100
NCLM: 530/350.000
 NCL
           NCLM:
          NCLS:
                    424/192.100; 435/069.100; 530/300.000; 530/402.000; 536/023.100
  IC
           [7]
           ICM: C07K014-00
           ICS: C07H021-04; A61K039-395
          530/350; 530/300; 530/402; 435/69.1; 435/7.1; 536/23.1; 424/192.1
 EXF
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4
        ANSWER 430 OF 441 USPATFULL on STN
 AN
          2000:134735 USPATFULL
 TI
          Viral encoded
                               ***semaphorin***
                                                        protein receptor DNA and polypeptides
          Spriggs, Melanie K., Seattle, WA, United States
Comeau, Michael R., Seattle, WA, United States
DuBose, Robert F., Bellevue, WA, United States
Johnson, Richard S., Mercer Island, WA, United States
Immunex Corporation, Seattle, WA, United States
US 6130068
 ΙN
 PA
 PI
          US 6130068
                                         20001010
 ΑI
          US 1998-181706
                                         19981028 (9)
 PRAI
          US 1998-112009P
                                    19981026 (60)
 DT
          Utility
 FS
          Granted
 LN.CNT
          2488
 INCL
          INCLM: 435/069.100
          INCLS: 536/023.100; 435/302.100; 435/325.000; 435/252.300
NCLM: 435/069.100
 NCL
          NCLM:
                   435/252.300; 435/302.100; 435/325.000; 536/023.100
          NCLS:
 IC
          [7]
          ICM: C07H021-04
          ICS: C12N015-09; C12N015-63
          536/23.5; 536/24.31; 536/23.1; 435/69.1; 435/302.1; 435/325; 435/252.3;
 EXF
          435/172.3; 530/350
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 431 OF 441
                               USPATFULL on STN
ΑN
          2000:50543
                         USPATFULL
TI
            ***Semaphorin***
                                     receptors
         Tessier-Lavigne, Marc, San Francisco, CA, United States
He, Zhigang, San Francisco, CA, United States
Chen, Hang, San Francisco, CA, United States
The Regents of the University of California, Oakland, CA, United States
IN
PA
         US 6054293
US 1997-936135
PΙ
                                         20000425
ΑI
                                         19970924 (8)
         Continuation-in-part of Ser. No. US 1997-889458, filed on 8 Jul 1997,
RLI
         now abandoned
DT
         Utility
FS
         Granted
LN.CNT
         4866
INCL
         INCLM: 435/069.100
         INCLS: 536/023.100; 536/024.310; 435/320.100; 435/325.000; 435/252.300;
                  435/172.300; 530/300.000; 530/350.000
NCL
         NCLM:
                  435/069.100
         NCLS:
                  435/007.200; 435/252.300; 435/320.100; 435/325.000; 530/300.000;
                  530/350.000; 536/023.100; 536/024.310
IC
         ICM: C07H021-04
         ICS: C12N015-12; C12N015-63
         435/69.1; 435/70.1; 435/7.2; 435/325; 435/320.1; 435/252.3; 435/172.3; 530/300; 530/350; 536/23.1; 536/24.31
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 432 OF 441
                              USPATFULL on STN
AN
         2000:4942
                       USPATFULL
ΤI
            ***Semaphorin***
                                    gene family
         Goodman, Corey S., Berkeley, CA, United States
IN
         Kolodkin, Alex L., Berkeley, CA, United States
        Matthes, David, Berkeley, CA, United States
Bentley, David R., Berkeley, CA, United States
O'Connor, Timothy, Berkeley, CA, United States
The Regents of the University of California, Oakland, CA, United States
PA
         (U.S. corporation)
PΙ
         US 6013781
                                        20000111
AΙ
         US 1997-833391
                                        19970408
                                                   (8)
        Division of Ser. No. US 1993-121713, filed on 13 Sep 1993, now patented,
RLI
```

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D.I.
            Utility
  FS
            Granted
  LN.CNT 4675
  INCL
            INCLM:
                      536/023.100
            INCLS: 536/023.500
            NCLM:
 NCL
                      536/023.100
            NCLS:
                      536/023.500
 IC
            [6]
            ICM: C07H021-04
            ICS: C12N015-11
 EXF
            536/23.1; 536/23.5
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4
        ANSWER 433 OF 441
                                     USPATFULL on STN
           1999:92582 USPATFULL
 AN
 TI
              ***Semaphorin***
                                          gene family
           Goodman, Corey S., Berkeley, CA, United States Kolodkin, Alex L., Berkeley, CA, United States
 IN
           Matthes, David, Berkeley, CA, United States
Bentley, David R., Berkeley, CA, United States
O'Connor, Timothy, Berkeley, CA, United States
The Regents of the University of California, Oakland, CA, United States
 PA
            (U.S. corporation)
           US 5935865
US 1998-60692
 PI
                                               19990810
 AI
                                               19980415 (9)
           Continuation of Ser. No. US 1997-835268, filed on 8 Apr 1997, now patented, Pat. No. US 5807826 which is a division of Ser. No. US
 RLI
           1993-121713, filed on 13 Sep 1993, now patented, Pat. No. US 5639856
DT
           Utility
 FS
           Granted
 LN.CNT
           3955
 INCL
           INCLM: 436/501.000
NCL
           NCLM:
                     436/501.000
 IC
           [6]
ICM: G01N033-566
EXF 530/326; 530/327; 530/328; 530/329; 530/330; 530/350; 514/12; 514/14.15; 514/16; 514/17; 514/21; 436/86; 436/501
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 434 OF 441
L4
                                    USPATFULL on STN
AN
           1998:111907 USPATFULL
TI
              ***Semaphorin***
                                         gene family
          Goodman, Corey S., Berkeley, CA, United States Kolodkin, Alex L., Berkeley, CA, United States
IN
          Matthes, David, Berkeley, CA, United States
Bentley, David R., Berkeley, CA, United States
O'Connor, Timothy, Berkeley, CA, United States
The Regents of the University of California, Oakland, CA, United States
PA
           (U.S. corporation)
PI
          US 5807826
                                              19980915
ΑĮ
          US 1997-835268
                                              19970408 (8)
          Division of Ser. No. US 1993-121713, filed on 13 Sep 1993, now patented,
RLI
          Pat. No. US 5639856
DT
          Utility
FS
          Granted
LN.CNT
          3581
INCL
          INCLM:
                    514/012.000
                    514/014.000; 514/015.000; 514/016.000; 514/017.000; 514/021.000
          INCLS:
NCL
          NCLM:
                     514/012.000
          NCLS:
                    514/014.000; 514/015.000; 514/016.000; 514/017.000; 514/021.000
IC
           [6]
          ICM: A61K038-04
          ICS: A61K038-16
          530/326; 530/327; 530/328; 530/329; 530/330; 530/350; 514/12; 514/14;
EXF
          514/15; 514/16; 514/17; 514/21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 435 OF 441
                                   USPATFULL on STN
AN
                        USPATFULL
          97:52102
TI
             ***Semaphorin***
         Goodman, Corey S., Berkeley, CA, United States Kolodkin, Alex L., Berkeley, CA, United States Matthes, David, Berkeley, CA, United States Bentley, David R., Berkeley, CA, United States O'Connor, Timothy, Berkeley, CA, United States
                                         gene family
IN
```

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(U.S. corporation)
US 5639856
US 1993-121713
 PI
                                      19970617
 ΑI
                                      19930913 (8)
 DT
         Utility
 FS
         Granted
 LN.CNT
         2556
 INCL
         INCLM: 530/326.000
                 514/012.000;
         INCLS:
                                 514/014.000; 514/015.000; 514/016.000; 514/017.000;
                  514/021.000; 530/327.000; 530/328.000; 530/329.000; 530/330.000;
                  530/350.000
 NCL
         NCLM:
                  530/326.000
         NCLS:
                 530/327.000; 530/328.000; 530/329.000; 530/330.000; 530/350.000
 IC
         [6]
         ICM: A61K038-04
         ICS: A61K038-16; C07K014-005; C07K014-435
530/326; 530/327; 530/328; 530/329; 530/330; 530/350; 514/14; 514/15;
514/16; 514/17; 514/12; 514/21
 EXF
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4
      ANSWER 436 OF 441
                             USPAT2 on STN
 AN
         2003:64296
                       USPAT2
 TI
         CD100 antigen and uses therefor
 IN
         Hall, Kathryn T., Boston, MA, United States
         Freeman, Gordon J., Brookline, MA, United States
         Schultze, Joachim L., Pulheim, GERMANY, FEDERAL REPUBLIC OF Boussiotis, Vassiliki A., Brookline, MA, United States
         Nadler, Lee M., Newton, MA, United States
         Dana-Farber Cancer Institute, Boston, MA, United States (U.S.
 PA
         corporation)
PΙ
         US 6576754
                                      20030610
                               B2
AΙ
         US 1995-556422
                                      19951109 (8)
DT
         Utility
FS
         GRANTED
LN.CNT
         3464
INCL
         INCLM: 536/023.500
                 536/023.100
536/023.500
         INCLS:
NCL
        NCLM:
        NCLS:
                 536/023.100
IC
         [7]
         ICM: C07H021-04
         536/23.1; 536/23.5
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 437 OF 441
L4
                            USPAT2 on STN
AN
        2002:315067
                       USPAT2
ΤI
           ***Semaphorin***
                                 K1
        Luo, Yuling, South San Francisco, CA, United States Xu, Xiaomei, South San Francisco, CA, United States
IN
PA
        Exelixis, Inc., South San Francisco, CA, United States (U.S.
        corporation)
ΡI
        US 6583277
                               B2
                                     20030624
ΑI
        US 2001-771467
                                     20010126
        Division of Ser. No. US 1998-41236, filed on 11 Mar 1998, now patented,
RLI
        Pat. No. US 6225285
DT
        Utility
FS
        GRANTED
LN.CNT
        1228
INCL
        INCLM: 536/023.500
                536/023.100; 530/300.000; 530/327.000; 530/324.000; 530/350.000;
        INCLS:
                 435/069.100
NCL
        NCLM:
                 536/023.500
                435/069.100; 530/300.000; 530/324.000; 530/327.000; 530/350.000;
        NCLS:
                 536/023.100
IC
        [7]
ICM: C07H021-04

EXF 536/23.1; 536/23.5; 435/69.1; 435/70.1; 435/41; 435/466; 530/300; 530/324; 530/327; 530/350

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 438 OF 441
L4
                            USPAT2 on STN
AN
        2002:133839
                       USPAT2
TI
        Peptides blocking vascular endothelial growth factor (VEGF)-mediated
        angiogenesis, polynucleotides encoding said peptides and methods of use
ΙN
        Tournaire, Roselyne, La Gaude, FRANCE
```

```
Derbin, Claude, Gir sur Yvette, FRANCE
          Perret, Gerard, Montmorency, FRANCE
         Mazie, Jean-Claude, Asnieres sur Seine, FRANCE
          Plouet, Jean, Toulouse, FRANCE
Vassy, Roger, Paris, FRANCE
          Institut Pasteur, Paris, FRANCE (non-U.S. corporation)
US 6559126 B2 20030506
 PA
PI
         US 6559126
AΙ
         US 2001-822270
                                         20010402
                                                    (9)
 PRAI
         US 2000-193396P
                                   20000331 (60)
         Utility
DT
FS
         GRANTED
LN.CNT
         1376
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         INCLM: 514/016.000
         INCLS: 514/002.000; 530/329.000; 530/350.000; 435/007.100; 435/004.000;
                  435/DIG.035; 536/023.100; 536/023.510
NCL
         NCLM:
                  514/016.000
                  435/004.000; 435/007.100; 435/DIG.035; 514/002.000; 530/329.000;
         NCLS:
                  530/350.000; 536/023.100; 536/023.510
IC
          [7]
         ICM: A61K038-00
         ICS: C07K007-06
         514/16; 514/2; 530/329; 530/350; 435/7.1; 435/4; 435/DIG.35; 536/23.1;
EXF
         536/23.51
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 439 OF 441
                               USPAT2 on STN
AN
         2002:32229
                        USPAT2
TI
         Compositions and methods for helper-free production of recombinant
         adeno-associated viruses
         Gao, Guangping, Rosemont, PA, United States
Wilson, James M., Gladwyne, PA, United States
The Trustees of the University of Pennsylvania, Philadelphia, PA, United
IN
PA
         States (U.S. corporation)
PΙ
         US 6485966
                                        20021126
         US 2001-826510
AΙ
                                        20010405 (9)
         Division of Ser. No. US 1999-404555, filed on 23 Sep 1999, now patented,
RLI
         Pat. No. US 6258595 Continuation-in-part of Ser. No. WO 1999-US5870,
         filed on 18 Mar 1999
DΨ
         Utility
FS
         GRANTED
LN.CNT
         1409
         INCLM: 435/320.100
INCLS: 435/235.100; 435/325.000; 435/239.000; 435/455.000; 435/466.000;
INCL
                  514/044.000; 536/023.100
NCL
         NCLM:
                  435/320.100
         NCLS:
                  435/235.100; 435/239.000; 435/325.000; 435/455.000; 435/466.000;
                  514/044.000; 536/023.100
         [7]
IC
         ICM: C12N015-861
         ICS: C12N007-01; C12N015-09; A61K048-00; C07H021-04
         435/320.1; 435/235.1; 435/239; 435/325; 435/455; 435/466; 536/23.1;
EXF
         514/44
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 440 OF 441 USPAT2 on STN
AN
         2002:12535 USPAT2
         Promoters of neural regeneration
TI
        Song, Hong-jun, La Jolla, CA, United States
Poo, Mu-ming, La Jolla, CA, United States
Ming, Guo-li, La Jolla, CA, United States
Tessier-Lavigne, Marc, San Francisco, CA, United States
He, Zhigang, San Francisco, CA, United States
The Regents of the University of California, Oakland, CA, United States
IN
PA
         (U.S. corporation)
PI
         US 6512004
                                 B2
                                       20030128
ΑI
         US 2001-900268
                                        20010706 (9)
RLI
         Division of Ser. No. US 1998-145820, filed on 2 Sep 1998, now patented,
         Pat. No. US 6268352
DT
         Utility
FS
         GRANTED
LN.CNT
         939
INCL
         INCLM: 514/455.000
                 514/047.000; 514/042.000; 514/048.000; 514/183.000; 514/192.000; 514/220.000; 514/211.120; 514/227.200; 514/263.000; 514/174.000; 514/248.000; 514/376.000; 514/423.000; 514/453.000; 514/085.000
         INCLS:
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514/042.000; 514/047.000; 514/048.000; 514/085.000; 514/1/4.000; 514/183.000; 514/192.000; 514/211.120; 514/220.000; 514/227.200; 514/248.000; 514/263.380; 514/376.000; 514/423.000; 514/453.000
           NCLS:
 IC
           ICM: A61K031-35
           ICS: A61K031-70; A61K031-33; A61K031-43; A61K031-553
514/455; 514/47; 514/42; 514/48; 514/183; 514/192; 514/220; 514/211.12;
514/227.2; 514/263; 514/274; 514/248; 514/376; 514/423; 514/453; 514/85
 EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
        ANSWER 441 OF 441
                                    WPIDS
                                              COPYRIGHT 2004 THOMSON DERWENT on STN
AN
        1999-394959 [33]
                                    WPIDS
        1999-385607 [32]; 1999-394975 [33]; 1999-395021 [33]
CR
DNC
        C1999-116065
        Neurpilin receptor antagonists is useful for treatment of, e.g. metastic
TI
        cancer.
DC
        B04 D16
       KLAGSBRUN, M; MIAO, H; SOKER, S; TAKASHIMA, S
(CHIL-N) CHILDRENS MEDICAL CENT; (KLAG-I) KLAGSBRUN M; (MIAO-I) MIAO H;
IN
PA
        (SOKE-I) SOKER S; (TAKA-I) TAKASHIMA S
        23
CYC
PI
            9929729 A2 19990617 (199933)* EN C07K016-00 RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
        WO 9929729
             W: AU CA JP US
        AU 9918104
                               Α
                                   19990628 (199946)
                                                                                C07K016-00
       EP 1037925
                                                (200048)
                               A2 20000927
                                                               EN
                                                                                C07K016-22
             R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
       US 2002132774
                              A1 20020919 (200264)
                                                                                A61K038-17
       WO 9929729 A2 WO 1998-US26114 19981209; AU 9918104 A AU 1999-18104 19981209; EP 1037925 A2 EP 1998-962986 19981209, WO 1998-US26114 19981209;
ADT
       US 2002132774 A1 Provisional US 1997-69155P 19971209, Provisional US
       1997-69687P 19971212, Provisional US 1998-78541P 19980319, Cont of WO 1998-US26114 19981209, Cont of US 2000-580803 20000530, US 2002-104440
       20020322
       AU 9918104 A Based on WO 9929729; EP 1037925 A2 Based on WO 9929729
US 1998-78541P 19980319; US 1997-69155P 19971209;
US 1997-69687P 19971212; US 2000-580803 20000530;
FDT
PRAI US 1998-78541P
       US 2002-104440
                                      20020322
IC
              A61K038-17; C07K016-00; C07K016-22
       ICM
       ICS
              A61K039-00
STN INTERNATIONAL LOGOFF AT 16:45:47 ON 10 JUN 2004
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